



# Recombinant Mouse Plasminogen (Plg)

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| <b>Product Code</b>      | CSB-YP018188MO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Uniprot No.</b>       | P20918                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Immunogen Species</b> | Mus musculus (Mouse)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purity</b>            | >85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Sequence</b>          | D SLDGYISTQG ASLFLTKKQ LAAGVSDCL AKCEGETDFV CRSFQYHSKE<br>QQCVIMAENS KTSSIIRMRD VILFEKRVYL SECKTGIGNG YRGTMSTRKS<br>GVACQKWGAT FPHVFNYSPTS THPNEGLEEN YCRNPDNDEQ<br>GPWCYTTPDP KRYDYCNIFE CEEECMYCSG EKYEGKISKT MSGLDCQAWD<br>SQSPHAHGYI PAKFPSKNLK MNYCRNPDGE PRPWCFTTDP TKRWEYCDIP<br>RCTTPPPPPS PTYQCLKGRG ENYRGTVSVT VSGKTCQRWS<br>EQTPHRHNRT PENFPCKNLE ENYCRNPDGE TAPWCYTTPDS QLRWEYCEIP<br>SCESSASPDQ SDSSVPPEEQ TPVVQECYQS DGQSYRGTS TTITGKKCQS<br>WAAMFPHRHS KTPENFPDAG LEMNYCRNPD GDKGPWCYTT<br>DPSVRWEYCN LKRCSETGGS VVELPTVSQE PSGPSDSETD<br>CMYGNKDYR GKTAVTAAGT PCQGWAAQEP HRHSIFTPQT<br>NPRAGLEKNY CRNPDGDVNG PWCYTTPNPRK LYDYCDIPLC ASASSFECGK<br>PQVEPKKCPG RVVGGCVANP HSWPWQISLR TRFTGQHFCG GTLIAPEWVL<br>TAAHCLEKSS RPEFYKVILG AHEEYIRGLD VQEISVAKLI LEPNNRDIAL<br>LKLSRPATIT DKVIPACLPS PNYMVADRTI CYITGWGETQ GTFGAGRLKE<br>AQLPVIENKV CNRVEYLNNR VKSTELCAGQ LAGGVDSCQG DSGGPLVCFE<br>KDKYILQGVV SWGLGCARPV KPGVYVRSR FVDWIEREMR NN |
| <b>Source</b>            | Yeast                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Target Names</b>      | Plg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Protein Names</b>     | Recommended name: Plasminogen EC= 3.4.21.7 Cleaved into the following 5 chains: 1. Plasmin heavy chain A 2. Activation peptide 3. Angiostatin 4. Plasmin heavy chain A, short form 5. Plasmin light chain B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Expression Region</b> | 20-812                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Protein Length</b>    | Full Length of Mature Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |



storage temperature and the stability of the protein itself.  
Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.