# Recombinant Mouse Tissue-type plasminogen activator (Plat)

| | |
|---|---|
| **Product Code** | CSB-EP018120MO-B |
| **Storage** | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| **Uniprot No.** | P11214 |
| **Product Type** | Recombinant Protein |
| **Immunogen Species** | Mus musculus (Mouse) |
| **Purity** | >85% (SDS-PAGE) |
| **Sequence** | SYRATCRD EPTQTTYQQH QSWLRPMLRS SRVEYCRCNS GLVQCHSVPV RSCSEPRCFN GGTCQQALYF SDFVCQCPDG FVGKRCDIDT RATCFEEQGI TYRGTWSTAE SGAECINWNS SVLSLKPYNA RRPNAIKLGL GNHNYCRNPD RDLKPWCYVF KAGKYTTEFC STPACPKGKS EDCYVGKGVT YRGTHSLTTS QASCLPWNSI VLMGKSYTAW RTNSQALGLG RHNYCRNPDG DARPWCHVMK DRKLTWEYCD MSPCSTCGLR QYKRPQFRIK GGLYTDITSH PWQAAIFVKN KRSPGERFLC GGVLISSCWV LSAAHCFLER FPPNHLKVVL GRTYRVVPGE EEQTFEIEKY IVHEEFDDDT YDNDIALLQL RSQSKQCAQE SSSVGTACLP DPNLQLPDWT ECELSGYGKH EASSPFFSDR LKEAHVRLYP SSRCTSQHLF NKTVTNNMLC AGDTRSGGNQ DLHDACQGDS GGPLVCMINK QMTLTGIISW GLGCGQKDVP GVYTKVTNYL DWIHDNMKQ |
| **Source** | E.coli |
| **Target Names** | Plat |
| **Protein Names** | Recommended name: Tissue-type plasminogen activator Short name= t-PA Short name= t-plasminogen activator Short name= tPA EC= 3.4.21.68 Cleaved into the following 2 chains: 1. Tissue-type plasminogen activator chain A |
| **Expression Region** | 33-559 |
| **Notes** | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| **Tag Info** | Tag type will be determined during the manufacturing process. |
| **Protein Length** | Full Length of Mature Protein |
| **Target Details** | This gene encodes tissue-type plasminogen activator, a secreted serine protease which converts the proenzyme plasminogen to plasmin, a fibrinolytic enzyme. Tissue-type plasminogen activator is synthesized as a single chain which is cleaved by plasmin to a two chain disulfide linked protein. This enzyme plays a role in cell migration and tissue remodeling. Increased enzymatic activity causes hyperfibrinolysis, which manifests as excessive bleeding; decreased activity leads to hypofibrinolysis which can result in thrombosis or embolism. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. |
| **Reconstitution** | 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. |
| **Shelf Life** | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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. |