



# Recombinant Friend murine leukemia virus

## Envelope glycoprotein (env)

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| <b>Product Code</b>      | CSB-YP365929FCZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage</b>           | 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.                                                                                                                                                                                                                                                   |
| <b>Uniprot No.</b>       | P03395                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Immunogen Species</b> | Friend murine leukemia virus (FrMLV)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Sequence</b>          | AAPGSSPHQV YNITWEVTNG DRETVWAISG NHPLWTWWPV LTPDLCMLAL<br>HGPPHWGLEY QAPYSSPPGP PCCSGSGGSS PGCSRDCNEP<br>LTSLTPRCNT AWNRLKLDQV THKSSEGFYV CPGSHRPREA KSCGGPDSFY<br>CASWGCETTG RAYWKPSSSW DYITVDNNLT TNQAVQVCKD NKWCNPLAIQ<br>FTNAGRQVTS WITGHYWGLR LYVSGQDPGL TFGIRLKYQN LGPRVPIGPN<br>PVLADQLSFP LPNPLPKPAK SPPVSNSTPT MISPSPTPTQ PPPAGTGDR L<br>LNLVQGAYQA LNLNPDKTQ ECWLCLVSGP PYYEGVAVLG TYSNHTSAPT<br>NCSVASQHKL TLSEVTGRGL CIGTVPKTHQ ALCNTTLKTN KGSYYLVAPA<br>GTTWACNTGL TPCLSATVLN RTTDYCVLVE LWPRVTYHPP SYVYSQFEKS<br>YRHKR |
| <b>Source</b>            | Yeast                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Target Names</b>      | env                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Protein Names</b>     | Recommended name: Envelope glycoprotein Alternative name(s): Env<br>polyprotein Cleaved into the following chain: 1. Surface protein Short name= 2.<br>SU Alternative name(s): Glycoprotein 70 Short name= gp70                                                                                                                                                                                                                                                                                                                      |
| <b>Expression Region</b> | 1-445                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <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>    | Extracellular domain                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <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.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life                                                                                                                                                                                                                                                                                                    |



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