



# Recombinant Simian immunodeficiency virus Gag polyprotein (gag)

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| <b>Product Code</b>      | CSB-EP619332SBAL   |
| <b>Abbreviation</b>      | gag  |
| <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>       | Q1A268   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Simian immunodeficiency virus (isolate MB66) (SIV-cpz) (Chimpanzee immunodeficiency virus)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | GARASVLTG GKLDREWEKIY LRPGGKKKYM MKHLVWASRE LERFACNPSL<br>METTEGCKQL LQQLPALKT GSEGLRSLFN TIVVLWCVHQ GIPVKDTKEA<br>LDQLQEAQQK GKQEVAATA DGTSTVSRNF PIVANAQQQM VHQPISPRTL<br>NAWVKVVEEK AFSPEVIPMF MALSEGATPQ DLNTMLNTVG GHQAAMQMLK<br>EVINEEAAEW DRLHPVHAGP VPPGQMREPR GSDIAGTTST IQEQVGWMTS<br>NPPIPVVDIY KRWILGLNK IVKMYCPVSI LDIKQGPKE FRDYVDRFYK<br>TLRAEQATQE VKNWMTDTLL VQANPDCKS ILRALPGGAT LEGDEPAFQG<br>VGGPSHKARV LAEAMSQAQH SNAKRQFKG PKRIVKCFNC GKEGHIARNC<br>KAPRRKGCWK CGQEGHQMRN CTNERQANFL GKLWPSSKGR<br>PGNFLQKRPE PTAPPIESFG FREEEPAQKE EVKSEETENK LYPQLTSLKS<br>LFGNDPLSQ |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | gag  |
| <b>Protein Names</b>     | Recommended name: Gag polyprotein Alternative name(s): Pr55Gag Cleaved into the following 5 chains: 1. Matrix protein p17 Short name= 2. MA 3. Capsid protein p24 Short name= 4. CA 5. Nucleocapsid protein p7 Short name  |
| <b>Expression Region</b> | 2-499  |
| <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.  |



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