



# Recombinant Human immunodeficiency virus type 1 group M subtype D Gag polyprotein (gag)

<b>Product Code</b>	CSB-EP318972HLK-B
<b>Storage</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.
<b>Uniprot No.</b>	P12495
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Human immunodeficiency virus type 1 group M subtype D (isolate Z2/CDC-Z34) (HIV-1)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	GARASVLSG GKLDWEKIR LRPGGKKKYR LKHLVWASRE LERFALNPGL LETS DGCKQI IGQLQPAIRT GSEELRSLFN TVATLYCVHE RIEVKDTKEA LEKMEEEQNK SKNKKAQQA ADAGNNSQVS QNYPIVQNLQ GQMVHQAI SP RTLNAWVKVI EEKAFSPEVI PMFSALSEGA TPQDLN TMLN TVGGHQAMQ MLKETINEEA AEWDR LHPVH AGPIAPGQMR EPRGSDIAGT TSTLQE QIAW MTSNPPIVPG EYKRWIILG LNKIVRMYS P VSILDIRQGP KEPFRDYVDR FYKTLRAEQA SQEVKGMWTE TLLVQANPD CKTILKALGP QATLEEMMTA CQGVGGPSHK ARVLAEAMSQ ATNSAAVMM QRGNFKGPRK TIKCFNCGKE GHIAKNCRAP RRGKGCWKCGK EGHQLKDCTE RQANFLGKIW PSHKGRPGNF LQSRPEPTAP PAESFGFGEE ITPSQKQEQK DKELYPSTAL KSLFGNDPLL Q
<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 6 chains: 1. Matrix protein p17 Short name= 2. MA 3. Capsid protein p24 Short name= 4. CA 5. Spacer peptide p2 6. Nucleocapsid
<b>Expression Region</b>	2-501
<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.