



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

Product Code	CSB-MP328493HKG
Storage	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.
Uniprot No.	P24736
Product Type	Recombinant Protein
Immunogen Species	Human immunodeficiency virus type 1 group M subtype A (isolate U455) (HIV-1)
Purity	>85% (SDS-PAGE)
Sequence	GARASVLSG KKLDSEKIR LRPGGNKKYR LKHLVWASRE LEKFTLNPGL LETAEGCQQI LGQLQPALQT GTEELRSLYN TVAVLYCVHQ RIDVKDTKEA LNKIEEMQNK NKQRTQQAAA NTGSSQNYPI VQNAQGQPVH QALSPRTLNA WVKVVEDKAF SPEVIPMFA LSEGATPQDL NMMLNVVGGH QAAMQMLKDT INEEAAEWDR LHPVHAGPIP PGQMREPRGS DIAGTTSTVQ EQIGWMTGNP PIPVGDIYRR WIILGLNKIV RMYSPVSILD IRQGPKEPFR DYVDRFFKTL RAEQATQDVK NWMETLLVQ NANPDCKSIL RALGPGATLE EMMTACQGVG GPGHKARVLA EAMSQVQQT IMMQRGNFRG PPRIKCFNCG KEGHLAKNCR APRKKGWCWC GKEGHQMKDC TERQANFLGK IWPSNKGRPG NFPQSRPEPT APPAEIFGMG EKMTSPAKQE LKDREQTPLV SLKSLFGNDP LSQ
Source	Mammalian cell
Target Names	gag
Protein Names	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
Expression Region	2-493
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
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.



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.