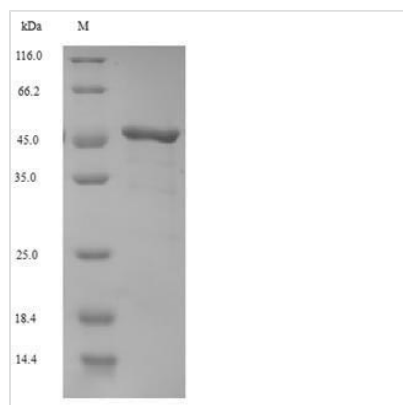




Recombinant Moloney murine leukemia virus Gag polyprotein (gag), partial

Product Code	CSB-EP356017MHK
Relevance	Gag polyprotein plays a role in budding and is processed by the viral protease during virion maturation outside the cell. During budding, it recruits, in a PPXY-dependent or independent manner, Nedd4-like ubiquitin ligases that conjugate ubiquitin molecules to Gag, or to Gag binding host factors. Interaction with HECT ubiquitin ligases probably link the viral protein to the host ESCRT pathway and facilitate release.
Abbreviation	Recombinant Moloney murine leukemia virus Gag polyprotein, partial
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.	P03332
Alias	Core polyprotein Cleaved into the following 4 chains: Matrix protein p15 Short name: MA RNA-binding phosphoprotein p12 Alternative name(s): pp12 Capsid protein p30 Short name: CA Nucleocapsid protein p10 Short name: NC-gag
Product Type	Recombinant Protein
Immunogen Species	Moloney murine leukemia virus (isolate Shinnick) (MoMLV)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	PLRAGGNGQLQYWPFSSSDLYNWKNNNPSFSEDPGKLTALIESVLITHQPTW DDCQQLLGTLTGEEKQRVLLLEARKAVRGDDGRPTQLPNEVDAAFPLEPDPW DYTTQAGRNHLVHYRQLLLAGLQNAGRSPTNLAKVKGITQGPNESPSAFLERL KEAYRRYTPYDPEDPGQETNVSMSFIWQSAPDIGRKLERLEDLKNKTLGDLVR EAEKIFNKRETPEEREERIRRETEEKEERRRTEDEQKEKERDRRRHREMSKLL
Research Area	Microbiology
Source	E.coli
Target Names	gag
Expression Region	216-478aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	46.6kDa
Protein Length	Partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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.