

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

Catalog No: #AP711111

Package Size: #AP711111-1 20ug #AP711111-2 100ug #AP711111-3 1mg

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Recombinant Moloney murine leukemia virus Gag polyprotein(gag) ,partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:216-478aaSequence Info:Partial
Other Names	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
Accession No.	P03332
Calculated MW	46.6 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	PLRAGNGQLQYWPFSSSDLYNWKNNNPSFSEDPGKLTALIESVLITHQPTWDDCQQLLGTLTGEEKQRVL LEARKAVRGDDGRPTQLPNEVDAAFLERPDWDYTTQAGRNHLVHYRQLLAGLQNAGRSPTNLAKVKGITQ GPNESPSAFLERLKEAYRRYTPYDPEDPGQETNVSMFSFIWQSAPDIGRKLERLEDLKNKTLGDLVREAEKIFN KRETPEEREERIRRETEEKEERRRTEDEQKEKERDRRRHREMSKLL
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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.

References

"Late domain-independent rescue of a release-deficient Moloney murine leukemia virus by the ubiquitin ligase Itch."Jadwin J.A., Rudd V., Sette P., Challa S., Bouamr F.J. Virol. 84:704-715(2010) Research Topic:Microbiology

Note: This product is for in vitro research use only and is not intended for use in humans or animals.