Gag Polyprotein (gag) Xenotropic Mulv-Related Virus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Gag polyprotein (gag), Recombinant Protein
Full Product Name	Recombinant Xenotropic MuLV-related virus Gag polyprotein (gag), partial
Product Gene Name	gag recombinant protein
Product Synonym Gene Name	gag
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	60,402 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q2F7I9
Species	Xenotropic MuLV-related virus (isolate VP42) (XMRV)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for gag recombinant protein	MBS1326794 is a recombinant protein targeting gag. Also known as Recombinant Xenotropic MuLV-related virus Gag polyprotein (gag), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of gag recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for gag. It may not necessarily be applicable to this product.

NCBI GI #	123951410
NCBI Accession #	Q2F7I9.1
UniProt Primary Accession #	Q2F7I9
NCBI Official Full Name	Gag polyprotein
UniProt Protein Name	Gag polyprotein
UniProt Synonym Protein Names	Core polyprotein
Protein Family	Core protein
UniProt Gene Name	gag
UniProt Synonym Gene Names	Pr65gag; MA; CA; NC-gag

UniProt Comments for gag	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 ().
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