Pol Polyprotein (pol) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Pol polyprotein (pol), Recombinant Protein
Full Product Name	Recombinant Ovine maedi visna related virus Pol polyprotein (pol)
Product Gene Name	pol recombinant protein
Sequence	SNITAGKQQE GATCGAVRAP YVVTEAPPKI DIKVGTNWKK VLVDTGADRT IVRYHDNSGI PTGRIKLQGI GGIIEGEKWD KVVIQYKEKR IEGTIVVLPS SPVEVLGRDN MAKLDIGIIM
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	124,515 Da
Sequence Positions	1-120, Full length protein
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 P16901
Species	Ovine maedi visna related virus (strain South Africa) (SA-OMVV) (Ovine lentivirus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pol recombinant protein	MBS1099282 is a recombinant protein targeting pol. Also known as Recombinant Ovine maedi visna related virus Pol polyprotein (pol). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pol 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 pol. It may not necessarily be applicable to this product.

NCBI GI #	130649
NCBI Accession #	P16901.1
UniProt Primary Accession #	P16901
NCBI Official Full Name	Pol polyprotein
UniProt Protein Name	Pol polyprotein
UniProt Synonym Protein Names	Protease (EC:3.4.23.-)Alternative name(s):Retropepsin
Protein Family	Pol polyprotein

UniProt Gene Name	pol
UniProt Synonym Gene Names	IN
UniProt Comments for pol	During replicative cycle of retroviruses, the reverse-transcribed viral DNA is integrated into the host chromosome by the viral integrase enzyme. RNase H activity is associated with the reverse transcriptase.
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Online datasheet: https://www.mybiosource.com/recombinant-protein/pol-polyprotein-pol/1099282