DNA Polymerase (POL) Orf Virus Recombinant Protein

PRODUCT OVERVIEW

Product Name	DNA polymerase (POL), Recombinant Protein
Full Product Name	Recombinant Orf virus DNA polymerase (POL), partial
Product Gene Name	POL recombinant protein
Product Synonym Gene Name	POL
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	113,955 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 Q84173
Species	Orf virus (strain NZ2) (OV NZ-2)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for POL recombinant protein	MBS1377201 is a recombinant protein targeting POL. Also known as Recombinant Orf virus DNA polymerase (POL), partial. 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 #	6015021
NCBI Accession #	Q84173.1
UniProt Primary Accession #	Q84173
NCBI Official Full Name	DNA polymerase
UniProt Protein Name	DNA polymerase
Protein Family	Pol polyprotein
UniProt Gene Name	POL

UniProt Comments for POL	Catalyzes DNA synthesis. Acquires processivity by associating with a heterodimeric processivity factor comprised of the viral A20 and D4 proteins, thereby forming the DNA polymerase holoenzyme. Displays 3'- to 5' exonuclease activity. Might participate in viral DNA recombination. Does not perform translesion synthesis across an abasic site ().
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