RNA-Directed RNA Polymerase L (L) (Allpahuayo_sLgp1) Allpahuayo Virus Recombinant Protein

PRODUCT OVERVIEW

Product Name	RNA-directed RNA polymerase L (L) (Allpahuayo_sLgp1), Recombinant Protein
Full Product Name	Recombinant Allpahuayo virus RNA-directed RNA polymerase L (L), partial
Product Gene Name	Allpahuayo_sLgp1 recombinant protein
Product Synonym Gene Name	L
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	252,792 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 Q6XQI9
Species	Allpahuayo virus (isolate Rat/Peru/CLHP-2472/1997) (ALLV)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Allpahuayo_sLgp1 recombinant protein	MBS1326847 is a recombinant protein targeting Allpahuayo_sLgp1. Also known as Recombinant Allpahuayo virus RNA-directed RNA polymerase L (L), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Allpahuayo_sLgp1 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 Allpahuayo_sLgp1. It may not necessarily be applicable to this product.

NCBI GI #	164607203
NCBI GeneID	5848365
NCBI Accession #	YP_001649212.1
UniProt Primary Accession #	Q6XQI9
UniProt Related Accession #	Q6XQI9
GenBank Nucleotide #	NC_010249.1
NCBI Official Full Name	L protein
NCBI Official Symbol	Allpahuayo_sLgp1

UniProt Protein Name	RNA-directed RNA polymerase L
UniProt Synonym Protein Names	Large structural protein; Replicase; Transcriptase
UniProt Gene Name	L
UniProt Synonym Gene Names	Protein L
NCBI Protein Information	polymerase
UniProt Comments for Allpahuayo_sLgp1	RNA-dependent RNA polymerase which is responsible for replication and transcription of the viral RNA genome. During transcription, synthesizes 4 subgenomic RNAs, and assures their capping by a cap-snatching mechanism, in which cellular capped pre-mRNA are used to generate primers for viral transcription. The 3'-end of subgenomic mRNAs molecules are heterogeneous and not polyadenylated. The replicase function is to direct synthesis of antigenomic and genomic RNA which are encapsidated and non capped. As a consequence of the use of the same enzyme for both transcription and replication, these mechanisms need to be well coordinated. These processes may be regulated by proteins N and Z in a dose-dependent manner ().
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