

Hepatitis E virus genotype 1 Non-structural polyprotein pORF1 Recombinant Protein | ORF1 recombinant protein

Recombinant Hepatitis E virus genotype 1 Non-structural polyprotein pORF1

CATALOG # AAA114561	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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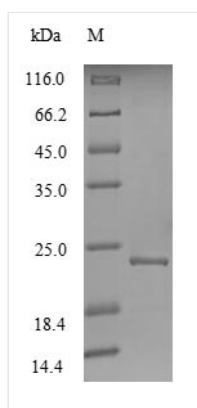
PRODUCT SYNONYMS

Hepatitis E virus genotype 1 Non-structural polyprotein pORF1; Recombinant Hepatitis E virus genotype 1 Non-structural polyprotein pORF1; ORF1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	60-240aa; Full Length
Sequence	EVFWNHPIQR VIHNELELYC RARSGRCLEI GAHPRSINDN PNVVHRCFLR PAGRDVQRWY TAPTRGPAAN CRRSALRGLP AADRTYCFDG FSGCNFPAET GIALYSLHDM SPSDVAEAMF RHGMTRLYAA LHLPEVLLP PGTYRTASYL LIHDGRRVVV TYEGDTSAGY NHDVSNLRSW I
Sequence Length	1693
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for ORF1 recombinant protein	Methyltransferase displays a cytoplasmic capping enzyme activity. This function is necessary since all viral RNAs are synthesized in the cytoplasm, and host capping enzymes are restricted to the nucleus. The enzymatic reaction involves a covalent link between 7-methyl-GMP and the methyltransferase, whereas eukaryotic capping enzymes form a covalent complex only with GMP. Methyltransferase catalyzes transfer of a methyl group from S-adenosylmethionine to GTP and GDP to yield m7GTP or m7GDP. GMP, GpppG, and GpppA were poor substrates for the methyltransferase. This enzyme also displays guanylyltransferase activity to form a covalent complex, methyltransferase-m7GMP, from which 7-methyl-GMP is transferred to the mRNA to create the cap structure. Cap analogs such as m7GTP, m7GDP, et2m7GMP, and m2et7GMP inhibit the methyltransferase reaction. RNA-directed RNA polymerase plays an essential role in the virus replication. Binds to the 3'-end of the genomic RNA, probably to initiate replication.
References	Characterization of a prototype strain of hepatitis E virus.Tsarev S.A., Emerson S.U., Reyes G.R., Tsareva T.S., Legters L.J., Malik I.A., Iqbal M., Purcell R.H.Proc. Natl. Acad. Sci. U.S.A. 89:559-563(1992) Recombinant hepatitis E virus genomes infectious for primates importance of capping and discovery of a cis-reactive element.Emerson S.U., Zhang M., Meng X.J., Nguyen H., St Claire M., Govindarajan S., Huang Y.K., Purcell R.H.Proc. Natl. Acad. Sci. U.S.A. 98:15270-15275(2001)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4033773
UniProt Accession #	P33424; Q8UYD6
Molecular Weight	24.4 kDa
NCBI Official Full Name	Non-structural polyprotein pORF1
UniProt Protein Name	Non-structural polyprotein pORF1
UniProt Gene Name	ORF1
UniProt Synonym Gene Names	PLP; RdRp
UniProt Entry Name	POLN_HEVPA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/orf1-recombinant-protein-e-coli/114561>