Non-Structural Glycoprotein 4 (NSP4) Rotavirus A Recombinant Protein

PRODUCT OVERVIEW

Product Name	Non-structural glycoprotein 4 (NSP4), Recombinant Protein
Full Product Name	Recombinant Rotavirus A Non-structural glycoprotein 4, partial
Product Gene Name	NSP4 recombinant protein
Sequence	PTMKIALKT SKCSYKVVKY CIVTILNTLL KLAGYKEQIT AKDEIEKQMD RVVKEMRRQL EMIDKLTTRE IEQVELLKRI YDKLIVRSTG EIDMTKEINQ KNVRTLEEWE SGKNPYEPKE VTAAM
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	20,303 Da
Sequence Positions	52-175
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 Q82029
Species	Rotavirus A (strain Human/Japan/S2/1980 G2-P1B[4]-I2-R2-C2-M2-Ax-Nx-T2-E2-Hx) (RV-A)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for NSP4 recombinant protein	MBS1348431 is a recombinant protein targeting NSP4. Also known as Recombinant Rotavirus A Non-structural glycoprotein 4, partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of NSP4 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 NSP4. It may not necessarily be applicable to this product.

NCBI GI #	75567283
NCBI Accession #	Q82029.1
UniProt Primary Accession #	Q82029
NCBI Official Full Name	Non-structural glycoprotein 4
UniProt Protein Name	Non-structural glycoprotein 4
UniProt Synonym Protein Names	NCVP5; NS28
Protein Family	Nitrile-specifier protein

UniProt Gene Name	NSP4
UniProt Synonym Gene Names	NSP4
UniProt Comments for NSP4	Involved in virus morphogenesis. Functions as a receptor for the immature double-layered inner capsid particle (ICP) which transiently buds into the lumen of the rough endoplasmic reticulum during viral maturation ().
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