Outer Capsid Protein VP4 Rotavirus A Recombinant Protein

PRODUCT OVERVIEW

Product Name	Outer capsid protein VP4, Recombinant Protein
Full Product Name	Recombinant Rotavirus A Outer capsid protein VP4, partial
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	87,398 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 B3SRR9
Species	Rotavirus A (strain Human/United States/D/1974 G1-P1A[8]-I1-R1-C1-M1-A1-N1-T1-E1-H1) (RV-A)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Outer capsid protein VP4 recombinant protein	MBS1232097 is a recombinant protein targeting Outer capsid protein VP4. Also known as Recombinant Rotavirus A Outer capsid protein VP4, partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Outer capsid protein VP4 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 Outer capsid protein VP4. It may not necessarily be applicable to this product.

NCBI GI #	226732823
NCBI Accession #	B3SRR9.1
UniProt Primary Accession #	B3SRR9
NCBI Official Full Name	Outer capsid protein VP4
UniProt Protein Name	Outer capsid protein VP4
UniProt Synonym Protein Names	Hemagglutinin
Protein Family	Outer capsid protein
UniProt Comments for Outer capsid protein VP4	Spike-forming protein that mediates virion attachment to the host epithelial cell receptors and plays a major role in cell penetration, determination of host range restriction and virulence. Rotavirus entry into the host cell probably involves multiple sequential contacts between the outer capsid proteins VP4 and VP7, and the cell receptors. According to the considered strain, VP4 seems to essentially target sialic acid and/or the integrin heterodimer ITGA2/ITGB1 ().

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