Major Capsid Protein, Partial (MCP) Elephantid Herpesvirus 1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Major capsid protein, partial (MCP), Recombinant Protein
Full Product Name	Recombinant Elephantid herpesvirus 1 Major capsid protein, partial
Product Gene Name	MCP recombinant protein
Product Synonym Names	Major capsid protein; MCP
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	152,431 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 Q18LE0
Species	Elephantid herpesvirus 1 (isolate Asian elephant/Berlin/Kiba/1998) (EIHV-1) (Elephant endotheliotropic herpesvirus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MCP recombinant protein	MBS1312485 is a recombinant protein targeting MCP. Also known as Recombinant Elephantid herpesvirus 1 Major capsid protein, partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of MCP 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 MCP. It may not necessarily be applicable to this product.

NCBI GI #	123862703
NCBI Accession #	Q18LE0.1
UniProt Primary Accession #	Q18LE0
NCBI Official Full Name	Major capsid protein
UniProt Protein Name	Major capsid protein
UniProt Gene Name	MCP
UniProt Synonym Gene Names	MCP
UniProt Entry Name	MCP_ELHVK

UniProt Comments for MCP	Self-assembles to form an icosahedral capsid with a T=16 symmetry, about 200 nm in diameter, and consisting of 150 hexons and 12 pentons (total of 162 capsomers). Hexons form the edges and faces of the capsid and are each composed of six MCP molecules. In contrast, one penton is found at each of the 12 vertices. Eleven of the pentons are MCP pentamers, while the last vertex is occupied by the portal complex. The capsid is surrounded by a layer of proteinaceous material designated the tegument which, in turn, is enclosed in an envelope of host cell-derived lipids containing virus-encoded glycoproteins.
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