Movement Protein (ORF3a) Cucumber Mosaic Virus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Movement protein (ORF3a), Recombinant Protein
Full Product Name	Recombinant Cucumber mosaic virus Movement protein (ORF3a)
Product Gene Name	ORF3a recombinant protein
Product Synonym Gene Name	ORF3a
Sequence	MAFQGTSRTL TQQSSAATSD DLQKILFSPE AIKKMATECD LGRHHWMRAD NAISVRPLVP EVTHGRIASF FKSGYDVGEL CSKGYMSVPQ VLCAVTRTVS TDAEGSLRIY LADLGDKELS PIDGQCVSLH NHDLPALVSF QPTYDCPMET VGNRKRCFAV VIERHGYIGY TGTTASVCSN WQARFSSKNN NYTHIAAGKT LVLPFNRLAE QTKPSAVARL LKSQLNNIES SQYVLTNAKI NQNARSESEE LNVESPPAAI GSSSASRSEA FRPQVVNGL
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	30,461 Da
Sequence Positions	1-279, Full length protein
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 Q66137
Species	Cucumber mosaic virus (strain N) (CMV)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ORF3a recombinant protein	MBS1332554 is a recombinant protein targeting ORF3a. Also known as Recombinant Cucumber mosaic virus Movement protein (ORF3a). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ORF3a 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 ORF3a. It may not necessarily be applicable to this product.

NCBI GI #	3914033
NCBI Accession #	Q66137.1
UniProt Primary Accession #	Q66137
NCBI Official Full Name	Movement protein
UniProt Protein Name	Movement protein

UniProt Synonym Protein Names	Protein 3A
UniProt Gene Name	ORF3a
UniProt Synonym Gene Names	MP
UniProt Comments for ORF3a	Transports viral genome to neighboring plant cells directly through plasmosdesmata, without any budding. The movement protein allows efficient cell to cell propagation, by bypassing the host cell wall barrier. Acts by forming a tubular structure at the host plasmodesmata, enlarging it enough to allow free passage of virion capsids ().
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