Movement Protein (SBWMVsRNA1gp3) Soil-Borne Wheat Mosaic Virus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Movement protein (SBWMVsRNA1gp3), Recombinant Protein
Full Product Name	Recombinant Soil-borne wheat mosaic virus Movement protein
Product Gene Name	SBWMVsRNA1gp3 recombinant protein
Sequence	MGSQDVKGDS YESVYNKILD MQSEPGGAND LRTNRQRSFN IENRYVEKAL TQPGVVTKMQ DAWTNWTKTN KEEGTPYNMS YSCVLLNVIP TVPMGYAGTV EVSLLDSGLS PLENVIPDQT QMMELGKGPH VMCFFMHYSI PLNDKGRAVK LAFKIDAEMA SKGMSVMNVY SYWTQRQGHL SAYSEPQRST ISKLMLGYDK SLKMKTRNDV RRFVGRSLSL HNQEQSVPAL LPGQINVMKE NVPLYRKESV IDLTREEREK AAQLEMLRKT REVHTQRSAE EMKRRQAELA KDTQRKLAEE AKAVTEKRKN MAGVNSSNIK FGNFDSV
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	37,150 Da
Sequence Positions	1-327, 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 Q06360
Species	Soil-borne wheat mosaic virus (strain United States/Nebraska/1981) (SBWMV)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SBWMVsRNA1gp3 recombinant protein	MBS1257458 is a recombinant protein targeting SBWMVsRNA1gp3. Also known as Recombinant Soil-borne wheat mosaic virus Movement protein. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SBWMVsRNA1gp3 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 SBWMVsRNA1gp3. It may not necessarily be applicable to this product.

NCBI GI #	9632356
NCBI GeneID	991049
NCBI Accession #	NP_049337.1
UniProt Primary Accession #	Q06360

GenBank Nucleotide #	NC_002041.1
NCBI Official Full Name	37 kDa protein
NCBI Official Symbol	SBWMVsRNA1gp3
UniProt Protein Name	Movement protein
UniProt Synonym Protein Names	37 kDa protein; Cell-to-cell transport protein
Protein Family	Movement protein
NCBI Protein Information	37 kDa protein
UniProt Comments for SBWMVsRNA1gp3	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.
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