Suppressor of RNA Silencing (BSMVs3gp2) Barley Stripe Mosaic Virus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Suppressor of RNA silencing (BSMVs3gp2), Recombinant Protein
Full Product Name	Recombinant Barley stripe mosaic virus Suppressor of RNA silencing
Product Gene Name	BSMVs3gp2 recombinant protein
Sequence	MMATFSCVCC GTSTTSTYCG KRCERKHVYS ETRNKRLELY KKYLLEPQKC ALNGIVGHSC GMPCSIAEEA CDQLPIVSRF CGQKHADLYD SLLKRSEQEL LLEFLQKKMQ ELKLSHIVKM AKLESEVNAI RKSVASSFED SVGCDDSSSV SKL
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	17,160 Da
Sequence Positions	1-153, 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 Q80874
Species	Barley stripe mosaic virus (BSMV)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for BSMVs3gp2 recombinant protein	MBS1280271 is a recombinant protein targeting BSMVs3gp2. Also known as Recombinant Barley stripe mosaic virus Suppressor of RNA silencing. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of BSMVs3gp2 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 BSMVs3gp2. It may not necessarily be applicable to this product.

NCBI GI #	19744921
NCBI GeneID	962674
NCBI Accession #	NP_604482.1
UniProt Primary Accession #	Q80874
UniProt Secondary Accession #	Q07118

UniProt Related Accession #	Q80874
GenBank Nucleotide #	NC_003478.1
NCBI Official Full Name	gamma B protein
NCBI Official Symbol	BSMVs3gp2
UniProt Protein Name	Suppressor of RNA silencing
UniProt Synonym Protein Names	Gamma-B protein
Protein Family	Suppressor of RNA silencing
NCBI Protein Information	gamma B protein
UniProt Comments for BSMVs3gp2	Suppressor of RNA-mediated gene silencing, also known as post-transcriptional gene silencing (PTGS), a mechanism of plant viral defense that limits the accumulation of viral RNAs. Also functions as a long distance movement protein and is involved in virulence determination.
Research Articles on BSMVs3gp2	**1.** The results indicate that TGB2 and gammab proteins play a previously unknown functional role at the site of virus replication.
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