Protein C2 (C2, L2) (C2) Beet Curly Top Virus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein C2 (C2, L2), Recombinant Protein
Full Product Name	Recombinant Beet curly top virus Protein C2 (C2, L2)
Product Gene Name	C2 recombinant protein
Product Synonym Gene Name	C2; L2
Sequence	MENHVSLKVV SPALYYAIQD LRAHTNNFLK NQKMKPLSPG HYIIQPSANS KVRSLITKQQ HPRKVTLPCN CHFTIHHECN RGFSHRGTYY SPSGNKFRGI RECTESTVYE TPMVREIRAN LSTEDTNPIQ LQPPESVESS QVLDRANDNR IEQDIDWTPF LEGLEKETRD ILG
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	19,888 Da
Sequence Positions	1-173, 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 Q91J26
Species	Beet curly top virus (strain California/Logan) (BCTV)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for C2 recombinant protein	MBS1378977 is a recombinant protein targeting C2. Also known as Recombinant Beet curly top virus Protein C2 (C2, L2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of C2 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 C2. It may not necessarily be applicable to this product.

NCBI GI #	81962724
NCBI Accession #	Q91J26.1
UniProt Primary Accession #	Q91J26
UniProt Secondary Accession #	Q96634
NCBI Official Full Name	Protein C2
UniProt Protein Name	Protein C2

UniProt Synonym Protein Names	Protein L2
Protein Family	Chalcone synthase
UniProt Gene Name	C2
UniProt Comments for C2	Acts as a 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. Suppresses the host RNA silencing by inhibiting adenosine kinase 2 (ADK2), a kinase involved in a general methylation pathway. Also suppresses the host basal defense by interacting with and inhibiting SNF1 kinase, a key regulator of cell metabolism implicated in innate antiviral defense. Determines pathogenicity.
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