Cell Cycle Link Protein (DNA-C) Banana Bunchy Top Virus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cell cycle link protein (DNA-C), Recombinant Protein
Full Product Name	Recombinant Banana bunchy top virus Cell cycle link protein (DNA-C)
Product Gene Name	DNA-C recombinant protein
Product Synonym Gene Name	DNA-C
Sequence	MEFWESSAMP DDVKREIKEI YWEDRKKLLF CQKLKSYVRR ILVYGDQEDA LAGVKDMKTS IIRYSEYLKK PCVVICCVSN KSIVYRLNSM VFFYHEYLEE LGGDYSVYQD LYCDEVLSSS STEEEDVGVI YRNVIMASTQ EKFSWSDCQQ IVISDYDVTL L
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	18,972 Da
Sequence Positions	1-161, 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 Q65389
Species	Banana bunchy top virus (isolate Autralia) (BBTV)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for DNA-C recombinant protein	MBS1398622 is a recombinant protein targeting DNA-C. Also known as Recombinant Banana bunchy top virus Cell cycle link protein (DNA-C). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of DNA-C 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 DNA-C. It may not necessarily be applicable to this product.

NCBI GI #	19744935
NCBI GeneID	963870
NCBI Accession #	NP_604480.1
UniProt Primary Accession #	Q65389
GenBank Nucleotide #	NC_003477.1
NCBI Official Full Name	hypothetical protein BBTVs5gp1

NCBI Official Symbol	BBTVs5gp1
UniProt Protein Name	Cell cycle link protein
Protein Family	Cell cycle link protein
UniProt Gene Name	DNA-C
UniProt Synonym Gene Names	C5; Clink
NCBI Protein Information	hypothetical protein
UniProt Comments for DNA-C	Interacts with and disrupts the function of host retinoblastoma-related proteins RBR, which are key regulators of the cell cycle. Induces transcriptional activation of E2F-regulated S-phase and G2/M-phase-specific genes. Inactivation of the ability of RBR to arrest the cell cycle leads to the stimulation of viral DNA replication (). 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.
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