Cycloviolacin-O17 Viola Odorata Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cycloviolacin-O17, Recombinant Protein
Full Product Name	Recombinant Viola odorata Cycloviolacin-O17
Product Synonym Names	Recombinant Cycloviolacin-O17; Cycloviolacin-O17
Sequence	GIPCGESCVW IPCISAAIGC SCKNKVCYRN
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 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	3,176 Da
Sequence Positions	1-30aa; Cytoplasmic domain
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 P85180
Species	Viola odorata (Sweet violet)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Cycloviolacin-O17 recombinant protein	MBS1257520 is a recombinant protein targeting Cycloviolacin-O17. Also known as Recombinant Viola odorata Cycloviolacin-O17. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Cycloviolacin-O17 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 Cycloviolacin-O17. It may not necessarily be applicable to this product.

NCBI GI #	152013461
NCBI Accession #	P85180.1
UniProt Primary Accession #	P85180
NCBI Official Full Name	Cycloviolacin-O17
UniProt Protein Name	Cycloviolacin-O17
Protein Family	Cycloviolacin
UniProt Entry Name	CYO17_VIOOD

UniProt Comments for Cycloviolacin-O17	Function: Probably participates in a plant defense mechanism. Domain: The presence of a 'disulfide through disulfide knot' structurally defines this protein as a knottin By similarity. UniProtKB P56871 Post-translational modification: This is a cyclic peptide. Ref.1 Sequence similarities: Belongs to the cyclotide family. Bracelet subfamily. Caution: This peptide is cyclic. The start position was chosen by similarity to OAK1 (kalata-B1) for which the DNA sequence is known. Ref.1 Mass spectrometry: Molecular mass is 3149.4 Da from positions 1 - 30. Determined by MALDI. Ref.1
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