Leaf Cyclotide 1 Viola Hederacea Recombinant Protein

PRODUCT OVERVIEW

Product Name	Leaf cyclotide 1, Recombinant Protein
Full Product Name	Recombinant Viola hederacea Leaf cyclotide 1
Product Synonym Names	Recombinant Leaf cyclotide 1; Leaf cyclotide 1; Vhl-1
Sequence	SISCGESCAM ISFCFTEVIG CSCKNKVCYL N
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	3,341 Da
Sequence Positions	1-31aa; 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 P84522
Species	Viola hederacea (Australian violet)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Leaf cyclotide 1 recombinant protein	MBS1198128 is a recombinant protein targeting Leaf cyclotide 1. Also known as Recombinant Viola hederacea Leaf cyclotide 1. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Leaf cyclotide 1 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 Leaf cyclotide 1. It may not necessarily be applicable to this product.

NCBI GI #	73620924
NCBI Accession #	P84522.1
UniProt Primary Accession #	P84522
NCBI Official Full Name	Leaf cyclotide 1
UniProt Protein Name	Leaf cyclotide 1
UniProt Synonym Protein Names	Vhl-1
Protein Family	Leaf cyclotide
UniProt Entry Name	VHL1_VIOHE

UniProt Comments for Leaf cyclotide 1	Function: Probably participates in a plant defense mechanism. Has anti-human immunodeficiency virus activity. Ref.1 Tissue specificity: Expressed in leaves. Ref.1 Domain: The presence of a 'disulfide through disulfide knot' structurally defines this protein as a knottin. UniProtKB P56879 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. Mass spectrometry: Molecular mass is 3330.6 Da from positions 1 - 31. Determined by ESI. Ref.1
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