Kalata-B8 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Kalata-B8, Recombinant Protein
Full Product Name	Recombinant Kalata-B8
Product Synonym Names	Recombinant Kalata-B8; Kalata-B8
Sequence	GSVLNCGETC LLGTCYTTGC TCNKYRVCTK D
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	3,308 Da
Sequence Positions	1-31. Full Length
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 P85175
Species	Oldenlandia affinis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Kalata-B8 recombinant protein	MBS1076782 is a recombinant protein targeting Kalata-B8. Also known as Recombinant Kalata-B8. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Kalata-B8 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 Kalata-B8. It may not necessarily be applicable to this product.

NCBI GI #	152032551
NCBI Accession #	P85175.1
UniProt Primary Accession #	P85175
NCBI Official Full Name	Kalata-B8
UniProt Protein Name	Kalata-B8
Protein Family	Kalata
UniProt Entry Name	KAB8_OLDAF

UniProt Comments for Kalata-B8	Function: Probably participates in a plant defense mechanism. Inhibits the cytopathic effects of the human immunodeficiency virus. Has no hemolytic activity. Ref.1 Domain: The presence of a 'disulfide through disulfide knot' structurally defines this protein as a knottin. Ref.1 Post-translational modification: This is a cyclic peptide. Ref.1 Ref.2 Sequence similarities: Belongs to the cyclotide family. Bracelet subfamily. Ref.2 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 Ref.2 Mass spectrometry: Molecular mass is 3283.8 Da from positions 1 - 31. Determined by ESI. Ref.2
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