Circulin-F (CIRF) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Circulin-F (CIRF), Recombinant Protein
Full Product Name	Recombinant Circulin-F
Product Gene Name	CIRF recombinant protein
Product Synonym Names	Recombinant Circulin-F; Circulin-F; CIRF
Sequence	AIPCGESCVW IPCISAAIGC SCKNKVCYR
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	3,076 Da
Sequence Positions	1-29aa; 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 P84644
Species	Chassalia parviflora
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CIRF recombinant protein	MBS1216338 is a recombinant protein targeting CIRF. Also known as Recombinant Circulin-F. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CIRF 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 CIRF. It may not necessarily be applicable to this product.

NCBI GI #	76364214
NCBI Accession #	P84644.1
UniProt Primary Accession #	P84644
NCBI Official Full Name	Circulin-F
UniProt Protein Name	Circulin-F
Protein Family	Circulin
UniProt Gene Name	CIRF
UniProt Synonym Gene Names	CIRF

UniProt Entry Name	CIRF_CHAPA
UniProt Comments for CIRF	Function: Probably participates in a plant defense mechanism. Inhibits the cytopathic effects of the human immunodeficiency virus. Ref.1 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. Mass spectrometry: Molecular mass is 3053.2 Da from positions 1 - 29. Determined by FAB. Ref.1
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