Defensin-Like Protein 18 (Pdf1.5) (PDF1.5) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Defensin-like protein 18 (PDF1.5), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Defensin-like protein 18 (PDF1.5)
Product Gene Name	PDF1.5 recombinant protein
Product Synonym Gene Name	PDF1.5
Sequence	ELCKRESETW SGRCVNDYQC RDHCINNDRG NDGYCAGGYP WYRSCFCFFS C
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	9,139 Da
Sequence Positions	30-80, 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 Q9FZ31
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PDF1.5 recombinant protein	MBS1329701 is a recombinant protein targeting PDF1.5. Also known as Recombinant Arabidopsis thaliana Defensin-like protein 18 (PDF1.5). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PDF1.5 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 PDF1.5. It may not necessarily be applicable to this product.

NCBI GI #	15221968
NCBI GeneID	841943
NCBI Accession #	NP_175899.1
UniProt Primary Accession #	Q9FZ31
UniProt Related Accession #	Q9FZ31
GenBank Nucleotide #	NM_104375.2
NCBI Official Full Name	plant defensin 1.5

NCBI Official Symbol	PDF1.5
NCBI Official Synonym Symbols	F14C21.57; F14C21_57; plant defensin 1.5
UniProt Protein Name	Defensin-like protein 18
UniProt Synonym Protein Names	Cysteine-rich antifungal protein At1g55010; Plant defensin 1.5
Protein Family	Defensin-like protein
UniProt Gene Name	PDF1.5
NCBI Protein Information	plant defensin 1.5
NCBI Summary for PDF1.5	Predicted to encode a PR (pathogenesis-related) protein. Belongs to the plant defensin (PDF) family with the following members: At1g75830/PDF1.1, At5g44420/PDF1.2a, At2g26020/PDF1.2b, At5g44430/PDF1.2c, At2g26010/PDF1.3, At1g19610/PDF1.4, At1g55010/PDF1.5, At2g02120/PDF2.1, At2g02100/PDF2.2, At2g02130/PDF2.3, At1g61070/PDF2.4, At5g63660/PDF2.5, At2g02140/PDF2.6, At5g38330/PDF3.1 and At4g30070/PDF3.2.
UniProt Comments for PDF1.5	Confers broad-spectrum resistance to pathogens.
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