Pentatricopeptide Repeat-Containing Protein At1g62720 (AT1G62720) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Pentatricopeptide repeat-containing protein At1g62720 (At1g62720), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Pentatricopeptide repeat-containing protein At1g62720 (At1g62720)
Product Gene Name	At1g62720 recombinant protein
Product Synonym Gene Name	At1g62720
Sequence	MRRSTTISIA SKANKFLNLC LLQKGNPVIV PFISRFWGRT FSTKRSSMNL EEEIDLFCKM IQSRPLPSIV DFSKVLSKIA KSKNYDLVIS LFHHMEVCGI GHDLYSYNIV INCLCRCSRF VIALSVVGKM MKFGYEPDVV TVSSLINGFC QGNRVFDAID LVSKMEEMGF RPDVVIYNTI IDGSCKIGLV NDAVELFDRM ERDGVRADAV TYNSLVAGLC CSGRWSDAAR LMRDMVMRDI VPNVITFTAV IDVFVKEGKF SEAMKLYEEM TRRCVDPDVF TYNSLINGLC MHGRVDEAKQ MLDLMVTKGC LPDVVTYNTL INGFCKSKRV DEGTKLFREM AQRGLVGDTI TYNTIIQGYF QAGRPDAAQE IFSRMDSRPN IRTYSILLYG LCMNWRVEKA LVLFENMQKS EIELDITTYN IVIHGMCKIG NVEDAWDLFR SLSCKGLKPD VVSYTTMISG FCRKRQWDKS DLLYRKMQED GLLPL
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	55,171 Da
Sequence Positions	1-485, 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 Q9SI78
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for At1g62720 recombinant protein	MBS1388341 is a recombinant protein targeting At1g62720. Also known as Recombinant Arabidopsis thaliana Pentatricopeptide repeat-containing protein At1g62720 (At1g62720). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of At1g62720 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 At1g62720. It may not necessarily be applicable to this product.

NCBI GI #	145336957
NCBI GeneID	842570

NCBI Accession #	NP_176459.2
UniProt Primary Accession #	Q9SI78
UniProt Secondary Accession #	Q6NKY2
UniProt Related Accession #	Q9SI78
GenBank Nucleotide #	NM_104949.2
NCBI Official Full Name	Pentatricopeptide repeat (PPR-like) superfamily protein
NCBI Official Symbol	NG1
NCBI Official Synonym Symbols	AtNG1; F23N19.8; F23N19_8; novel gene 1; pentatricopeptide repeat protein 2; PPR2
UniProt Protein Name	Pentatricopeptide repeat-containing protein At1g62720
Protein Family	Pentatricopeptide repeat-containing protein
UniProt Gene Name	At1g62720
NCBI Protein Information	Pentatricopeptide repeat (PPR-like) superfamily protein
NCBI Summary for At1g62720	Encodes a PPR protein gene that localizes to the mitochondrion and is required for seed germination.
Research Articles on At1g62720	**1.** MicroRNA400-mediated dysfunction of pentatricopeptide repeat (PPR) proteins renders Arabidopsis more susceptible to pathogenic bacteria and fungi, which emphasizes the importance of PPR proteins in plant defense against diverse pathogens.
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