Peroxidase 68 (PER68) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Peroxidase 68 (PER68), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Peroxidase 68 (PER68)
Product Gene Name	PER68 recombinant protein
Product Synonym Gene Name	PER68
Sequence	QLRTDFYSDS CPSLLPTVRR VVQREVAKER RIAASLLRLF FHDCFVNGCD ASILLDDTRS FLGEKTAGPN NNSVRGYEVI DAIKSRVERL CPGVVSCADI LAITARDSVL LMGGRGWSVK LGRRDSITAS FSTANSGVLP PPTSTLDNLI NLFRANGLSP RDMVALSGAH TIGQARCVTF RSRIYNSTNI DLSFALSRRR SCPAATGSGD NNAAILDLRT PEKFDGSYFM QLVNHRGLLT SDQVLFNGGS TDSIVVSYSR SVQAFYRDFV AAMIKMGDIS PLTGSNGQIR RSCRRPN
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	35,627 Da
Sequence Positions	29-325, 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 Q9LVL1
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PER68 recombinant protein	MBS1397277 is a recombinant protein targeting PER68. Also known as Recombinant Arabidopsis thaliana Peroxidase 68 (PER68). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PER68 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 PER68. It may not necessarily be applicable to this product.

NCBI GI #	15237190
NCBI GeneID	835953
NCBI Accession #	NP_200648.1
UniProt Primary Accession #	Q9LVL1
UniProt Related Accession #	Q9LVL1

GenBank Nucleotide #	NM_125226.4
NCBI Official Full Name	Peroxidase superfamily protein
NCBI Official Symbol	AT5G58400
NCBI Official Synonym Symbols	MCK7.27; MCK7_27
UniProt Protein Name	Peroxidase 68
Protein Family	Peroxidase
UniProt Gene Name	PER68
UniProt Synonym Gene Names	P68; Atperox P68
NCBI Protein Information	Peroxidase superfamily protein
UniProt Comments for PER68	Removal of H2O2, oxidation of toxic reductants, biosynthesis and degradation of lignin, suberization, auxin catabolism, response to environmental stresses such as wounding, pathogen attack and oxidative stress. These functions might be dependent on each isozyme/isoform in each plant tissue.
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