Peroxidase 60 (PER60) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Peroxidase 60 (PER60), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Peroxidase 60 (PER60)
Product Gene Name	PER60 recombinant protein
Product Synonym Gene Name	PER60
Sequence	QLRLGFYSQN CQNVENIVSK VVGEAFIKDS SIAPAMIRLY FHDCFSNGCD ASLLLDGSNS EKKASPNLSV RGYEVIDDIK SAVEKECDRV VSCADIIALA TRDLVTLASG GKTRYEIPTG RLDGKISSAL LVDLPSPKMT VAETAAKFDQ RKLSLNDMVL LLGGHTIGVT HCSFIMDRLY NFQNTQKPDP SMDPKLVEEL SAKCPKSSST DGIISLDQNA TSSNTMDVSF YKEIKVSRGV LHIDQKLAID DLTSKMVTDI ANGNDFLVRF GQAMVNLGSV RVISKPKDGE IRRSCRSTCN NPLCV
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	36,016 Da
Sequence Positions	27-331, 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 Q9FMR0
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PER60 recombinant protein	MBS1325028 is a recombinant protein targeting PER60. Also known as Recombinant Arabidopsis thaliana Peroxidase 60 (PER60). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PER60 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 PER60. It may not necessarily be applicable to this product.

NCBI GI #	15242232
NCBI GeneID	832302
NCBI Accession #	NP_197633.1
UniProt Primary Accession #	Q9FMR0
UniProt Secondary Accession #	Q96507

UniProt Related Accession #	Q9FMR0
GenBank Nucleotide #	NM_122146.4
NCBI Official Full Name	root hair specific 18
NCBI Official Symbol	RHS18
NCBI Official Synonym Symbols	MWD9.21; MWD9_21; root hair specific 18
UniProt Protein Name	Peroxidase 60
UniProt Synonym Protein Names	ATP14a
Protein Family	Peroxidase
UniProt Gene Name	PER60
UniProt Synonym Gene Names	P60; Atperox P60
NCBI Protein Information	root hair specific 18
UniProt Comments for PER60	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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