Peroxidase 69 (PER69), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP05445*

Size *0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)*

Species
Arabidopsis thaliana (Mouse-ear cress)

Full Product Name
Recombinant Arabidopsis thaliana Peroxidase 69 (PER69)

Product Gene Name
PER69 recombinant protein

Product Synonym Gene Name
PER69

Purity
Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence
QGNRGSNSGG GRRPHVGFYG NRCRNVESIV RSVVQSHVRS IPANAPGILR MHFHDCFVHG CDGSVLLAGN TSERTAVPNR SLRGFEVIEE AKARLEKACP RTVSCADILT LAARDAVVLT GGQRWEVPLG RLDGRISQAS DVNLPGPSDS VAKQKQDFAA KTLNTLDLVT LVGGHTIGTA GCGLVRGRFV NFNGTGQPDP SIDPSFVPLI LAQCPQNGGT RVELDEGSVD KFDTSFLRKV TSSRVVLQSD LVLWKDPETR AIIERLLGLR RPSLRFGTEF GKSMVKMSLI EVKTGSDGEI RRVCSAIN

Sequence Positions
24-331, Full length protein

Format
Lyophilized or liquid (Format to be determined during the manufacturing process)

Host
E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight
35,679 Da

Storage
Store at -20℃. For long-term storage, store at -20℃ or -80℃. Store working aliquots at 4℃ for up to one week. Repeated freezing and thawing is not recommended.

Protein Family
Peroxidase

NCBI Accession
NP_201215.1

NCBI GI
15237613

NCBI GenBank Nucleotide
NM_125806.3

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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https://www.cd-biosciences.com/plant-protein/

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NCBI GeneID
836531

NCBI Official Full Name
Peroxidase superfamily protein

NCBI Official Symbol
AT5G64100

NCBI Official Synonym Symbols
MHJ24.8; MHJ24_8

NCBI Protein Information
Peroxidase superfamily protein

UniProt Gene Name
PER69

UniProt Synonym Gene Names
P69; Atperox P69

UniProt Protein Name
Peroxidase 69

UniProt Synonym Protein Names
ATP3a

UniProt Primary Accession
Q96511

UniProt Secondary Accession
Q8RWL8

UniProt Related Accession
Q96511

UniProt Comments
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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