Peroxidase 67 (PER67), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP05096*

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 67 (PER67)

Product Gene Name
PER67 recombinant protein

Product Synonym Gene Name
PER67

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

Sequence
QLNRDFYKES CPSLFLVVRR VVKRAVAREP RMGASLLRLF FHDCFVNGCD GSLLLDDTPS FLGEKTSGPS NNSVRGFEVI DKIKFKVEKM CPGIVSCADI LAITARDSVL LLGGPGWSVK LGRRDSTTAN FAAANSGVIP PPITTLSNLI NRFKAQGLST RDMVALSGAH TIGRAQCVTF RNRIYNASNI DTSFAISKRR NCPATSGSGD NKKANLDVRS PDRFDHGFYK QLLSKKGLLT SDQVLFNNGP TDSLVIAYSH NLNAFYRDFA RAMIKMGDIS PLTGSNGQIR QNCRRPN

Sequence Positions
20-316, 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
34,708 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_200647.1

NCBI GI
15237187

NCBI GenBank Nucleotide
NM_125225.2

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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NCBI GeneID
835952

NCBI Official Full Name
Peroxidase superfamily protein

NCBI Official Symbol
AT5G58390

NCBI Official Synonym Symbols
MCK7.26; MCK7_26

NCBI Protein Information
Peroxidase superfamily protein

UniProt Gene Name
PER67

UniProt Synonym Gene Names
P67; Atperox P67

UniProt Protein Name
Peroxidase 67

UniProt Synonym Protein Names
ATP44

UniProt Primary Accession
Q9LVL2

UniProt Related Accession
Q9LVL2

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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