

Peroxidase 73 (PER73), Recombinant Protein

Cat RP05239

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

Species mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana Peroxidase 73 (PER73)

Product Gene Name

PER73 recombinant protein

Product Synonym Gene Name

PER73

Purity

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

Sequence

QLKTNFYGNS CPNVEQIVKK VVQEIKIKQTF VTIPATLRLF FHDCFVNGCD ASVMIQSTPT NKAEKDHPDN
ISLAGDGF DV VIKAKKALDA IPSCKNKVSC ADILALATRD VVVAAKGPSY AVELGRFDGL VSTAASVNGN
LPGPNNKVTE LNKLFAKNKL TQEDMIALSA AHTLGFAHCG KVFNRIYNFN LTHAVDPTLN KAYAKELQLA
CPKTVDPRIA INMDPTTPRQ FDNIYFKNLQ QGKGLFTSDQ VLFTDGRSKP TVNDWAKNSV AFNKAFTAM
TKLGRGVGVKT RRNGNIRRDC GAFN

Sequence Positions

26-329, 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

35,927 Da

Storage

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

Protein Family

Peroxidase

NCBI Accession

NP_201541.1

NCBI GI

15240737

NCBI GenBank Nucleotide

NM_126140.3

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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NCBI GeneID 836876
mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

NCBI Official Full Name

root hair specific 19

NCBI Official Symbol

RHS19

NCBI Official Synonym Symbols

K8K14.13; K8K14_13; root hair specific 19

NCBI Protein Information

root hair specific 19

UniProt Gene Name

PER73

UniProt Synonym Gene Names

P73; Atperox P73

UniProt Protein Name

Peroxidase 73

UniProt Synonym Protein Names

ATP10a; PRXR11

UniProt Primary Accession

Q43873

UniProt Related Accession

Q43873

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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