Peroxidase 65 (PER65), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP05408*

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 65 (PER65)

Product Gene Name
PER65 recombinant protein

Product Synonym Gene Name
PER65

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

Sequence
DVAILRTDYY QKTCPDFHKI VREAVTTKQV QQPTTAAGTL RLFFHDCFLE GCDASVLIAT NSFNKAERDD DLNDSLPGDA FDIVTRIKTA LELSCPGVVS CADILAQATR DLVTMVGGPY FDVKLGRKDG FESKAHKVRG NVPMANQTVP DIHGIFKKNG FSLREMVALS GAHTIGFSHC KEFSDRLYGS RADKEINPRF AAALKDLCKN HTVDDTIAAF NDVMTPGKFD NMYFKNLKRG LGLLASDHIL IKDNSTKPFV DLYATNETAF FEDFARAMEK LGTVGVKGDK DGEVRRRCDH FNNLNV

Sequence Positions
29-334, 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
37,014 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_568674.1

NCBI GI
18422742

NCBI GenBank Nucleotide
NM_124071.3

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Address: SUITE 209, 17 Ramsey Road, Shirley, NY 11967
Tel: 1-631-637-0420
E-mail: info@cd-biosci.com
https://www.cd-biosciences.com/plant-protein/

Peroxidase 65 (PER65), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP05408*

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)*

NCBI GeneID
834746

NCBI Official Full Name
Peroxidase superfamily protein

NCBI Official Symbol
AT5G47000

NCBI Official Synonym Symbols
MQD22.14; MQD22_14

NCBI Protein Information
Peroxidase superfamily protein

UniProt Gene Name
PER65

UniProt Synonym Gene Names
P65; Atperox P65

UniProt Protein Name
Peroxidase 65

UniProt Synonym Protein Names
ATP43

UniProt Primary Accession
Q9FJR1

UniProt Secondary Accession
Q8RWF3

UniProt Related Accession
Q9FJR1

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.

Address: SUITE 209, 17 Ramsey Road, Shirley, NY 11967
Tel: 1-631-637-0420
E-mail: info@cd-biosci.com
https://www.cd-biosciences.com/plant-protein/