

Peroxidase 2 (LOC101212717), Recombinant Protein

Cat RP20238

Size 0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg
(Yeast)/ 0.02 mg (Baculovirus)/ 1 mg (E-Coli)/ 0.02 mg

Species (Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg
(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-
Cucumis sativus (Cucumber)
Cell)

Full Product Name

Recombinant Cucumis sativus Peroxidase 2

Product Gene Name

LOC101212717 recombinant protein

Purity

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

Sequence

TFYDESCPDV SNIVRRVVQQ ALVSDERAGA RLIRLHFHDC FVNGCDGSVL LEDQPGVVSE LAAPGNANIT
GFNIVNNIKA AVEKACPGVV SCADILAIAS VGSVNLGGP CWEVQLGRRD SRRANLQGAI DGLPSPFENV
TQLKRKFDRV DLDSTDLVAL SGAHTFGKSR CQFFDRRLNV SNPDSLNPY YAQQLRQACS SGRDTEFVNL
PTTPNKFDKN YYTNLQSNTG PLTSDQVLHS TPGEDTVKIV NLFAASQNFQ FESFGQSMIN MGNIQPLTGN
QGEIRSNCRRLN

Sequence Positions

1-292, 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

31,857 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

P19135.1

NCBI GI

129810

NCBI GeneID

101212717

NCBI Official Full Name

Peroxidase 2

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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(Yeast)/ 0.02 mg (Baculovirus)/ 1 mg (E-Coli)/ 0.02 mg

(Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg
(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-
Cell)

NCBI Official Symbol

LOC101212717

NCBI Official Synonym Symbols

CUP2

NCBI Protein Information

peroxidase 2

UniProt Protein Name

Peroxidase 2

UniProt Synonym Protein Names

CUP2

UniProt Primary Accession

P19135

UniProt Related Accession

P19135

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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