

Peroxidase 1 (PRX74), Recombinant Protein

Cat RP12304

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
Species (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-
Oryza sativa subsp. japonica (Rice)
Cell)

Full Product Name

Recombinant Oryza sativa subsp. japonica Peroxidase 1 (PRX74)

Product Gene Name

PRX74 recombinant protein

Purity

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

Sequence

QLDEKFYSNS CPSVEAVVRK EMVRALGAAP SLAGPLLRMH FHDCFVRGCD GSVLLDSAGN STAEKDATPN
QTLRGFGFVE RVKAAVEKAC PGTVSCADVL ALMARDAVWL SKGPFWAVPL GRRDGRVSIA NETDQLPPPT
ANFTELTQMF AAKNLDLKD L VVLSAGHTIG TSHCFSFTDR LYNFTGLDNA HDIDPTLELQ YMARLRSKCT
SLQDNNTLVE MDPGSFKTFD LGYFKNVAKR RGLFHSDGEL LTNGFTRAYV QRHAGGGYKD EFFADFAASM
VKMGGVEVLT GSQGEIRKKC NVVN

Sequence Positions

23-326, 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

35,308 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.

NCBI Accession

XP_015639141.1

NCBI GI

1002269599

NCBI GenBank Nucleotide

XM_015783655.1

NCBI GeneID

4339222

NCBI Official Full Name

peroxidase 1

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Peroxidase 1 (PRX74), Recombinant Protein

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mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
NCBI Official Symbol LOC433922

NCBI Official Synonym Symbols

PRX74; peroxidase; OJ1057_B02.6

NCBI Protein Information

peroxidase 1

UniProt Gene Name

PRX74

UniProt Protein Name

Peroxidase 1

UniProt Primary Accession

P37834

UniProt Secondary Accession

Q0DH04; Q6AUX0

UniProt Related Accession

P37834

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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