

1-Cys peroxiredoxin B (Osl_026085), Recombinant Protein

Cat RP13871

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

mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Species Oryza sativa subsp. indica (Rice)

Full Product Name

Recombinant Oryza sativa subsp. indica 1-Cys peroxiredoxin B (Osl_026085)

Product Gene Name

Osl_026085 recombinant protein

Purity

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

Sequence

MPGLTLGDVV PDLELDTTHG KIRLHDFVGD AYAIIFSHPA DFTPVCTTEL SEMAGYAGEF DKRGVKLLGF
SCDDVESHKD WIKDIEAYKP GRRVGFPIVA DPDREAIRQL NMIDADEKDT AGGELPNRAL HIVGPDKKVK
LSFLFPACTG RNMAEVL RAT DALLTAARHR VATPVNWKPG ERVVIPPGVS DEEAKARFPA GFETAQLPSN
KCYLRFTQVD

Sequence Positions

1-220, 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

24,205 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

1-Cys peroxiredoxin

NCBI Accession

P0C5D0.1

NCBI GI

158517778

NCBI Official Full Name

1-Cys peroxiredoxin B

UniProt Gene Name

Osl_026085

UniProt Synonym Gene Names

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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(Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1

1-Cys Prx B 1 mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg
(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-
Cell)

UniProt Protein Name

1-Cys peroxiredoxin B

UniProt Synonym Protein Names

Thioredoxin peroxidase B

UniProt Primary Accession

P0C5D0

UniProt Secondary Accession

Q8GVG9; A2YP42

UniProt Comments

Thiol-specific peroxidase that catalyzes the reduction of hydrogen peroxide and organic hydroperoxides to water and alcohols, respectively . Seems to contribute to the inhibition of germination during stress .

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