

Probable phospholipid hydroperoxide glutathione peroxidase (PHGPx), Recombinant Protein

Cat *RP17203*

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-Nicotiana tabacum (Common tobacco) Cell)

Species

Full Product Name

Recombinant Nicotiana tabacum Probable phospholipid hydroperoxide glutathione peroxidase

Product Gene Name

PHGPx recombinant protein

Purity

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

Sequence

MASQSSKPQS IYDFTVKDAK GNDVDLSIYK GKVLIVNVA SQCGLTNSNY TDMTEIYKKY KDQGLEILAF
PCNQFGGQEP GSIEEIQNMV CTRFKA EYPI FDKVDVNGDN AAPLYKFLKS SKGGFFGDSI KWNFSKFLVD
KEGNVVD RYS PTTTPASMEK DIKKLLGVA

Sequence Positions

1-169, 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

18,785 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

Probable phospholipid hydroperoxide glutathione peroxidase

NCBI Accession

Q9FXS3.1

NCBI GI

20138338

NCBI Official Full Name

Probable phospholipid hydroperoxide glutathione peroxidase

UniProt Gene Name

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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

UniProt Synonym Gene Names

PHGPx

UniProt Protein Name

Probable phospholipid hydroperoxide glutathione peroxidase

UniProt Synonym Protein Names

Nt-SubC08

UniProt Primary Accession

Q9FXS3

UniProt Comments

Protects cells and enzymes from oxidative damage, by catalyzing the reduction of hydrogen peroxide, lipid peroxides and organic hydroperoxide, by glutathione.

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