

Probable phospholipid hydroperoxide glutathione peroxidase (GPXle-1), Recombinant Protein

Cat *RP15350*

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-Solanum lycopersicum (Tomato) (Lycopersicon esculentum))

Species

Full Product Name

Recombinant Solanum lycopersicum Probable phospholipid hydroperoxide glutathione peroxidase (GPXle-1)

Product Gene Name

GPXle-1 recombinant protein

Purity

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

Sequence

MATQTSNPQS VYDFTVKDAK GKDVLSIYK GKVLIVNVA SQCGLTNSNY TDMTELYKKY KDQGLEILAF
PCNQFGGQEP GNIEDIQQMV CTRFKA EYPI FDKVDVNGDN AAPLYRFLKS SKGGFFGDGI KWNFSKFLID
KEGHVVD RYS PTTSPASMEK 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

18,847 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

O24031.1

NCBI GI

20138152

NCBI GenelD

544197

NCBI Official Full Name

Probable phospholipid hydroperoxide glutathione peroxidase

NCBI Official Symbol

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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

NCBI Official Synonym Symbols

PHGPx

NCBI Protein Information

probable phospholipid hydroperoxide glutathione peroxidase

UniProt Gene Name

GPXle-1

UniProt Synonym Gene Names

PHGPx

UniProt Protein Name

Probable phospholipid hydroperoxide glutathione peroxidase

UniProt Primary Accession

O24031

UniProt Related Accession

O24031

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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