

Probable glutathione peroxidase 4 (GPX4), Recombinant Protein

Cat RP01349

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

Species mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana Probable glutathione peroxidase 4 (GPX4)

Product Gene Name

GPX4 recombinant protein

Product Synonym Gene Name

GPX4

Purity

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

Sequence

MGASASVPER SVHQFTVKDS SGKDLNMSIY QGKVLIVNV ASKCGFTETN YTQLTELYRK YKDQDFEILA
FPCNQFLYQE PGTSQEAHEF ACERFKAIEYP VFQKVRVNGQ NAAPYKFLK ASKPTFLGSR IKWNFTKFLV
GKDGLVIDRY GTMVTPLSIE KDIKKALEDA

Sequence Positions

1-170, 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

19,300 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 glutathione peroxidase

NCBI Accession

NP_566128.1

NCBI GI

18407538

NCBI GenBank Nucleotide

NM_130382.2

NCBI GeneID

819427

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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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 Full Name

glutathione peroxidase 4

NCBI Official Symbol

GPX4

NCBI Official Synonym Symbols

ATGPX4; F11L15.5; glutathione peroxidase 4

NCBI Protein Information

glutathione peroxidase 4

NCBI Summary

Encodes glutathione peroxidase.

UniProt Gene Name

GPX4

UniProt Protein Name

Probable glutathione peroxidase 4

UniProt Primary Accession

Q8L910

UniProt Related Accession

Q8L910

UniProt Comments

May constitute a glutathione peroxidase-like protective system against oxidative stresses.

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