

L-ascorbate peroxidase 1, cytosolic (APX1), Recombinant Protein

Cat *RP11334*

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^{Cell}

Oryza sativa subsp. *japonica* (Rice)

Full Product Name

Recombinant *Oryza sativa* subsp. *japonica* L-ascorbate peroxidase 1, cytosolic (APX1)

Product Gene Name

APX1 recombinant protein

Product Synonym Gene Name

APX1

Purity

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

Sequence

AKNYPVVS AE YQEAVEKARQ KLRALIAEKS CAPLMLRLAW HSAGTFDVSS KTGGPFGTMK TPAELSHAAN
AGLDIAVRML EPIKEEIP TI SYADFYQLAG VVAVEVSGGP AVPFHPGRED KPAPPPEGRL PDATKGS DHL
RQVFGAQMGL SDQDIVALSG GHTLGRCHKE RSGFEGPWTR NPLQFDNSYF TELLSGDKEG LLQLPSDKAL
LSDPAFRPLV EKYYAADEKAF FEDYKEAHLK LSELGFADA

Sequence Positions

2-250, 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

27,156 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

L-ascorbate peroxidase

NCBI Accession

XP_015630498.1

NCBI GI

1002252543

NCBI GenBank Nucleotide

XM_015775012.1

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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NCBI GeneID

4332474

NCBI Official Full Name

L-ascorbate peroxidase 1, cytosolic

NCBI Official Symbol

LOC4332474

NCBI Official Synonym Symbols

APX1; APXa; OsAPx01; OsJ_009999

NCBI Protein Information

L-ascorbate peroxidase 1, cytosolic

UniProt Gene Name

APX1

UniProt Synonym Gene Names

APXa

UniProt Protein Name

L-ascorbate peroxidase 1, cytosolic

UniProt Synonym Protein Names

OsAPx1

UniProt Primary Accession

Q10N21

UniProt Secondary Accession

P93404; Q84QS3; Q8GZZ2; B7E6Z4

UniProt Related Accession

Q10N21

UniProt Comments

Plays a key role in hydrogen peroxide removal.

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