L-ascorbate peroxidase 2, cytosolic (APX2), Recombinant Protein



Cat RP11324

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)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg

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Specie§ ell)

Oryza sativa subsp. japonica (Rice)

Full Product Name

Recombinant Oryza sativa subsp. japonica L-ascorbate peroxidase 2, cytosolic (APX2)

Product Gene Name

APX2 recombinant protein

Product Synonym Gene Name

APX2

Purity

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

Sequence

MGSKSYPTVS DEYLAAVGKA KRKLRGLIAE KNCAPLMLRL AWHSAGTFDV SSRTGGPFGT MKNPGEQSHA ANAGLDIAVR LLDPIKDQLP ILSYADFYQL AGVVAVEVTG GPEVPFHPGR QDKPEPPPEG RLPDATQGSD HLRQVFSAQM GLSDKDIVAL SGGHTLGRCH KERSGFEGAW TSNPLIFDNS YFTELVSGEK EGLLQLPSDK ALMADPAFRP LVEKYAADED AFFADYAEAH LKLSELGFAE E

Sequence Positions

1-251, 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

27,118 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_015646556.1

NCBI GI#

1002284509

NCBI GenBank Nucleotide

XM_015791070.1

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Address: SUITE 209, 17 Ramsey Road, Shirley, NY 11967

Tel: 1-631-637-0420

E-mail: info@cd-biosci.com
https://www.cd-biosciences.com/plant-protein/

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NCBI GerielD

4344397

NCBI Official Full Name

L-ascorbate peroxidase 2, cytosolic

NCBI Official Symbol

LOC4344397

NCBI Official Synonym Symbols

APX2; APXb; SS622; OsAPx02

NCBI Protein Information

L-ascorbate peroxidase 2, cytosolic

UniProt Gene Name

APX2

UniProt Protein Name

L-ascorbate peroxidase 2, cytosolic

UniProt Synonym Protein Names

APXb

UniProt Primary Accession #

Q9FE01

UniProt Secondary Accession #

Q0D3B8; Q40735

UniProt Related Accession

Q9FE01

UniProt Comments

Plays a key role in hydrogen peroxide removal (PubMed:15685422). Plays an important role in plant growth and development by protecting the seedlings from abiotic stresses through scavenging reactive oxygen species. Required for pollen viability (PubMed:23468992).

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