

Probable L-ascorbate peroxidase 6, chloroplastic (APX6), Recombinant Protein

Cat *RP11277*

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-Cell*)
Species *Oryza sativa* subsp. *japonica* (*Rice*)

Full Product Name

Recombinant *Oryza sativa* subsp. *japonica* Probable L-ascorbate peroxidase 6, chloroplastic (APX6)

Product Gene Name

APX6 recombinant protein

Purity

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

Sequence

AAAAGDAAAE LRGAREDVKQ LLKSTSCHPI LVRLGWH DAG TYDKNITEWP KCGGANGSLR FEIELKHAAN
AGLVNALKLI QPIKDKHAGV TYADLFQLAS ATAIEEAGGP KIPMIYGRVD VAAPEQCPPE GRLPAAGPPS
PAEHLREVFY RMGLSDKEIV ALSGAHTLGR SRPERSGWGK PETKYTKNGP GAPGGQSWTS QWLKFDNSYF
KDIKERRDED LLVLPTDAVL FEDSSFKIYA EKYAADQDAF FEDYAEAHAK LSNLGAKFDP PKGISLE

Sequence Positions

33-309, 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

33,502 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 L-ascorbate peroxidase

NCBI Accession

XP_015618175.1

NCBI GI

1002309621

NCBI GenBank Nucleotide

XM_015762689.1

NCBI GeneID

4351663

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
NCBI Official Full Name
probable L-ascorbate peroxidase 6, chloroplastic

NCBI Official Symbol

LOC4351663

NCBI Official Synonym Symbols

APX6; OsAPx06

NCBI Protein Information

probable L-ascorbate peroxidase 6, chloroplastic

UniProt Gene Name

APX6

UniProt Protein Name

Probable L-ascorbate peroxidase 6, chloroplastic/mitochondrial

UniProt Synonym Protein Names

OsAPx6

UniProt Primary Accession

P0C0L1

UniProt Secondary Accession

Q2QWY2; A0A0N7KTN6

UniProt Related Accession

P0C0L1

UniProt Comments

Plays a key role in hydrogen peroxide removal.

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