

Fe (3+)-Zn (2+) purple acid phosphatase 12 (PAP12), Recombinant Protein

Cat RP05296

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

Full Product Name

Recombinant Arabidopsis thaliana Fe (3+)-Zn (2+) purple acid phosphatase 12 (PAP12)

Product Gene Name

PAP12 recombinant protein

Product Synonym Gene Name

PAP12

Purity

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

Sequence

GFTSEYVRGS DLPDDMPLDS DVFEVPPGPN SPQQVHVTQG NHEGNGVIIS WVTPVKPGSK TVQYWCENEK
SRKQAEATVN TYRFFNYTSG YIHHCLIDDL EFDTKYYYEI GSGKWSRRFW FFIPPKSGPD VPYTFGLIGD
LGQTYDSNST LSHYEMNPGK GQAVLFVGD L SYADRYPNHD NNRWDTWGRF VERSVAYQPW IWTAGNHEID
FVPDIGEIEP FKPFMNRYHT PHKASGSISP LWYSIKRASA YIIVMSCYSS YGIYTPQYKW LEKELQGVNR
TETPWLVILV HSPFYSSYVH HMEGETLRV MYEQWVFKYK VDVVFAGHVH AYERSERVSN IAYNIVNGLC
EPISDESAPI YITIGDGGNS EGLLTDMMQP QPKYSAFREA SFGHGLLEIK NRTHAYFSWN RNQDGNAAVA
DSVWLLNRFW RAQKKTWLDA F

Sequence Positions

29-469, 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

54,123 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 plastid-lipid-associated protein

NCBI Accession

NP_180287.2

NCBI GI

186503429

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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mg (Baculovirus)/ 1 mg (E-Coli)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
NCBI GenBank Nucleotide #
NM_128277.5

NCBI GeneID

817261

NCBI Official Full Name

purple acid phosphatase 12

NCBI Official Symbol

PAP12

NCBI Official Synonym Symbols

ARABIDOPSIS THALIANA PURPLE ACID PHOSPHATASE 1; ATPAP1; ATPAP12; PAP1; PURPLE ACID PHOSPHATASE 1; purple acid phosphatase 12; PURPLE ACID PHOSPHATASE 12; SECRETED PURPLE ACID PHOSPHATASE PRECURSOR; T22O13.4; T22O13_4

NCBI Protein Information

purple acid phosphatase 12

NCBI Summary

Encodes a root-secreted purple acid phosphatase involved in extracellular phosphate-scavenging.

UniProt Gene Name

PAP12

UniProt Synonym Gene Names

At10; Ath1; PAP1; PAP

UniProt Protein Name

Fe(3+)-Zn(2+) purple acid phosphatase 12

UniProt Synonym Protein Names

Iron(III)-zinc(II) purple acid phosphatase 12

UniProt Primary Accession

Q38924

UniProt Secondary Accession

Q42349; Q540Q7; Q8VZC6; Q9SHS9

UniProt Related Accession

Q38924

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