

Peptide deformylase 1B, chloroplastic (PDF1B), Recombinant Protein

Cat RP05102

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 Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana Peptide deformylase 1B, chloroplastic (PDF1B)

Product Gene Name

PDF1B recombinant protein

Product Synonym Gene Name

PDF1B

Purity

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

Sequence

AEVKRVSRKD DKVASATDVQ FETPLKIVEY PDPILRAKNK RIDIFDENLK NLVDAMFDVM YKTDGIGLSA
PQVGLNVQLM VFNPAGEPGE GKEIVLVNPK IKKYSDKLVP FDEGCLSFPG IYAEVVRPQS VKIDARDITG
ERFSISLSRL PARIFQHEYD HLEGVLFFDR MTDQVLDISIR EELEALEKKY EEKTGLPSPE RVEARQKRKA
GVGFGKR

Sequence Positions

57-273, 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

30,610 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

Peptide deformylase

NCBI Accession

NP_001332718.1

NCBI GI

1063731888

NCBI GenBank Nucleotide

NM_001343352.1

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Peptide deformylase 1B, chloroplastic (PDF1B), Recombinant Protein

Cat *RP05102*

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)

NCBI GeneID

831318

NCBI Official Full Name

peptide deformylase 1B

NCBI Official Symbol

PDF1B

NCBI Official Synonym Symbols

ATDEF2; DEF2; peptide deformylase 1B

NCBI Protein Information

peptide deformylase 1B

NCBI Summary

Encodes a peptide deformylase PDF1B. The crystal structure has been determined at a resolution of 0.24 nm (Biochem J, 2008, vol 413:417-427).

UniProt Gene Name

PDF1B

UniProt Synonym Gene Names

DEF2; AtDEF2; AtPDF1B; PDF 1B

UniProt Protein Name

Peptide deformylase 1B, chloroplastic/mitochondrial

UniProt Synonym Protein Names

Polypeptide deformylase

UniProt Primary Accession

Q9FUZ2

UniProt Secondary Accession

Q8LEH0; Q949U8; Q9LYJ4

UniProt Related Accession

Q9FUZ2

UniProt Comments

Removes the formyl group from the N-terminal Met of newly synthesized proteins. Has a preferred substrate specificity towards the photosystem II (PS II) D1 polypeptide.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY