

Pentatricopeptide repeat-containing protein At1g08070 (PCMP-H12), Recombinant Protein

Cat *RP08749*

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* Pentatricopeptide repeat-containing protein At1g08070 (PCMP-H12) , partial

Product Gene Name

PCMP-H12 recombinant protein

Product Synonym Gene Name

PCMP-H12

Purity

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

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

83,512 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

Pentatricopeptide repeat-containing protein

NCBI Accession

NP_172286.1

NCBI GI

15223099

NCBI GenBank Nucleotide

NM_100682.3

NCBI GenID

837325

NCBI Official Full Name

Tetratricopeptide repeat (TPR)-like superfamily protein

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Pentatricopeptide repeat-containing protein At1g08070 (PCMP-H12), Recombinant Protein

Cat *RP08749*

NCBI Official Symbol

OTP82

NCBI Official Synonym Symbols

EMB3102; EMBRYO DEFECTIVE 3102; ORGANELLE TRANSCRIPT PROCESSING 82; T6D22.15; T6D22_15

NCBI Protein Information

Tetratricopeptide repeat (TPR)-like superfamily protein

NCBI Summary

Encodes a chloroplast RNA editing factor.

UniProt Gene Name

PCMP-H12

UniProt Protein Name

Pentatricopeptide repeat-containing protein At1g08070, chloroplastic

UniProt Synonym Protein Names

Protein ORGANELLE TRANSCRIPT PROCESSING 82

UniProt Primary Accession

Q9LN01

UniProt Related Accession

Q9LN01

UniProt Comments

Involved in multiple sites RNA editing events in chloroplasts. Involved in the editing of the site 9 of ndhB (ndhB-9) and site 1 of ndhG (ndhG-1) transcripts, which are two plastid-encoded subunits of the chloroplast NAD(P)H dehydrogenase (NDH) complex. Not essential for the activity of the NDH complex of the photosynthetic electron transport chain.

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