

# 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

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## 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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