

Pumilio homolog 6, chloroplastic (APUM6), Recombinant Protein

Cat RP05118

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* Pumilio homolog 6, chloroplastic (APUM6) , partial

Product Gene Name

APUM6 recombinant protein

Product Synonym Gene Name

APUM6

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

95,730 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

Pumilio

NCBI Accession

NP_001031720.1

NCBI GI

79325269

NCBI GenBank Nucleotide

NM_001036643.2

NCBI GeneID

828694

NCBI Official Full Name

pumilio 6

NCBI Official Symbol

PUM6

NCBI Official Synonym Symbols

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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APUM6; F14M19.160; F14M19_160; pumilio 6

NCBI Protein Information

pumilio 6

NCBI Summary

Encodes a member of the Arabidopsis Pumilio (APUM) proteins containing PUF domain (eight repeats of approximately 36 amino acids each). PUF proteins regulate both mRNA stability and translation through sequence-specific binding to the 3' UTR of target mRNA transcripts.

UniProt Gene Name

APUM6

UniProt Synonym Gene Names

APUM-6; AtPUM6

UniProt Protein Name

Pumilio homolog 6, chloroplastic

UniProt Primary Accession

Q9C5E7

UniProt Secondary Accession

Q2V3E7; Q3E9W4; Q9SVZ7; C0Z2M6

UniProt Related Accession

Q9C5E7

UniProt Comments

Sequence-specific RNA-binding protein that regulates translation and mRNA stability by binding the 3'-UTR of target mRNAs. Binds the APUM-binding elements (APBEs) in the 3'-UTR mRNA sequence of CLV1, PNH, WUS and FAS2.

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