

Putative pumilio homolog 8, chloroplastic (APUM8), Recombinant Protein

Cat RP05466

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 Putative pumilio homolog 8, chloroplastic (APUM8)

Product Gene Name

APUM8 recombinant protein

Product Synonym Gene Name

APUM8

Purity

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

Sequence

SSEDGSSQFA SPPLDGLMTK YNFGGDDLGL CESFDLLNVG EEDKTHHQTQ RSSFGNYEAN GDGGFRYYSG
FGVDQKDHQI SNSWNLGMQS CNMNNYSVPV HGKSGVGALF DHQGISSNP ESLPKVSEFQ GYVYFMAKDQ
HGCRFLQWIF EDGSALDALV IFSEVIPHVV ELMMDPFGNY LMQKLLDVCN EEQRTQIILM VTSEPGQLIR
ISLNAYGTRV VQRLVESIKT RKQISLVKSA LRPGFNLIR DLNGNHVIQR CLQCLSTEDN EFIFEDATKF
CIDIATHRHG CCVLQKCIAY SSGLQREKLV TEISRNSLFL AQDPYGNAY QFVLELRDFS AIAAMLAQLK
GHYVELSMQK FSSHMVERCL THCPESRPQI VRELISVPHF DILIQDPYAN FVIQAALAVT KGSLHATLVE
VIRPHSILRN NPYCKRIFSR NLLKN

Sequence Positions

71-515, 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

58,014 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

Putative pumilio

NCBI Accession

NP_173643.1

NCBI GI

15219849

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_102074.2

NCBI GeneID

838829

NCBI Official Full Name

pumilio 8

NCBI Official Symbol

PUM8

NCBI Official Synonym Symbols

APUM8; F16L1.3; F16L1_3; pumilio 8

NCBI Protein Information

pumilio 8

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

APUM8

UniProt Synonym Gene Names

APUM-8; AtPUM8

UniProt Protein Name

Putative pumilio homolog 8, chloroplastic

UniProt Primary Accession

Q9LM20

UniProt Related Accession

Q9LM20

UniProt Comments

Sequence-specific RNA-binding protein that regulates translation and mRNA stability by binding the 3'-UTR of target mRNAs.

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