

Product datasheet for TP301219M

Pumilio 1 (PUM1) (NM_014676) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human pumilio homolog 1 (Drosophila) (PUM1), transcript variant 2, 100 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC201219 protein sequence
Red=Cloning site Green=Tags(s)

MSVACVLKRKAVLWQDSFSPHLKHHPQEPANPNMPVWLTSQTGSQAQPQPAANQALAAGTHSSPVPGSIG
VAGRSQDDAMVDYFFQRQHGEQLGGGGSGGGGYNNSKHRWPTGDNIAEHQVRSMDLNHDFQALALEGR
AMGEQLLPGKKFWETDESSKDGPKGIFLGDQWRDSAWGTS DHSVSQPIMVQRRPQGSFHVNSEVNSVLS
RSESGGLGVSMVEYVLSSSPGDCLRKGGFGPRDADSDENDKGEKKNKGTDFDGDKLDLKEEGDVM DKT
GLPVQNGIDADVDFSRTPGNCQNSANEVDLLGPNQNGSEGLAQLTSTNGAKPVEDFSNMESQSVPLDPM
EHVGM EPLQFDYSGTQVPVDSAAATVGLFDYNSQQQLFQRPNALAVQQLTAAQQQYALAAAHQPHIGLA
PAAFPNPYIISAAPPGTDPYTAGLAAAATLGPVAVPHQYYGVTPWGVYPASLFQQQAAAAAATNSANQ
QTTPQAQQGQQVLRGGASQRPLTPNQNGQQQTDPLVAAA AVNSALAFGGGLAAGMPGYPVLAPAAYYD
QTGALV NAGARNGLGAPVRLVAPAPVISSSAAQA AVAAAAASANGAAGGLAGTTNGPFRPLGTQQPQP
QPQQQPNNNLSSSFYGNNSLNSNSQSSSLFSQGSAPANTSLGFGSSSLGATLGSALGGFGTAVANSN
TGSGSRRD SLTGSSDLYKRTSSSLTPIGHSFYNGLSFSSSPGPGMPLPSQGP GHSQTPPPSLSSHGSSS
SLNLGGLTNGSGRYISAAPGAEAKYRSASSASSLFSSTL FSSSRLRYGMSDVMPSGRSRLLEDFRNNR
YPNLQLREIAGHIMEFSQDQHGSRFIQLKLERATPAERQLVFNEILQAAYQLMVDVFGNYVIQKFFEFGS
LEQKLALAEIRIGHVLSLALQMYGCRVIQKALEFIPSDQ QNEMVRELDGHVLCVKDQNGNHVWQKCIEC
VQPQSLQFIIDAFKGVFALSTHPYGCRVIQRILEHCLPDQ TLPLEELHQHTEQLVQDQYGNVVIQHV
EHGRPEDKSKIVAEIRGNVLSQHKFASNVEKCVTHASRTERAVLIDEVCTMNDGPHSALYTMMDQY
ANYVVQKMIDVAEPGQRKIVMHKIRPHIATLRKYTYGKHILAKLEKYYMKNGVDLGPICGPPNGII

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

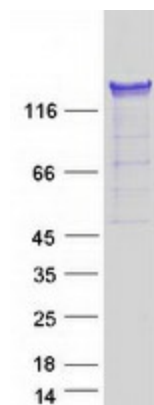
Tag: C-Myc/DDK
Predicted MW: 126.3 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



[View online >](#)

Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_055491
Locus ID:	9698
UniProt ID:	Q14671
RefSeq Size:	5410
Cytogenetics:	1p35.2
RefSeq ORF:	3558
Synonyms:	HSPUM; PUMH; PUMH1; PUM1; SCA47
Summary:	This gene encodes a member of the PUF family, evolutionarily conserved RNA-binding proteins related to the Pumilio proteins of <i>Drosophila</i> and the fem-3 mRNA binding factor proteins of <i>C. elegans</i> . The encoded protein contains a sequence-specific RNA binding domain comprised of eight repeats and N- and C-terminal flanking regions, and serves as a translational regulator of specific mRNAs by binding to their 3' untranslated regions. The evolutionarily conserved function of the encoded protein in invertebrates and lower vertebrates suggests that the human protein may be involved in translational regulation of embryogenesis, and cell development and differentiation. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified PUM1 protein (Cat# [TP301219]). The protein was produced from HEK293T cells transfected with PUM1 cDNA clone (Cat# [RC201219]) using MegaTran 2.0 (Cat# [TT210002]).