

Recombinant Full Length Human PUM1 Protein, C-Flag-tagged

Cat. No. PUM1-930HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PUM1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	126.3 kDa
AA Sequence	MSVACVLKRKAVLWQDSFSPHLKHHHPQEPANPNMPVVLTS GTGSQAQPQPAANQ ALAAGTHSSPVPGSIG VAGRSQDDAMVDYFFQRQHGEQLGGGGSGGGGYNNNSK HRWPTGDNIHAEHQVRSMDLHNHDFQALALEGR AMGEQLLP GK KFWETDESSKD

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GPKGIFLGDQWRDSAWGTSDHSVSQPIMVQRRPGQSFHVNSEVNSVLSP RSESG
 GLGVSMVEYVLSSSPGDSCLRKGGFGPRDADSDENDKGEKKNKGTDFDGDGLGDLK
 EEGDVMDKTN GLPVQNGIDADV KDFSRTPGNCQNSANEVDLLGPNQNGSEGLAQ
 LTSTNGAKPVEDFSNMESQSVPLDPM EHVGMELPLQFDYSGTQVPVDSAAATVGLF
 DYNSSQQQLFQRPNALAVQQLTAAQQQQYALAAAHQPHIGLA PAAFPVNPYIISAAP
 PGTDPTYTAGLAAAATLGPVVP HQYYGVTPWGVYPASLFQQQAAAAAATNSANQ
 QTTPQAQQGQQQVLRGGASQRPLTPNQNGQQQTDP LVAAAAVNSALAFGQGLA
 AGMPGY PVLAPAAYYD QTGALV NAGARNGLGAPVRLVAPAPVISSSAAQA AVAA
 AAASANGAAGGLAGTTNGPFRPLGTQQQP QPQQQPNNNLASSSFYGNNSLNSN
 SQSSSLFSQGSAPANTSLGFGSSSSLGATLG SALGGFGTAVANSN TGSGSRRDS
 LTGSSDLYKRTSSSLTPIGHSFYNGLSFSSSPGPVGMPLPSQGP GHSQT PPPSLSS
 HGSSS SLNLGGLTNGSGRYISAAPGAEAKYRSASSASSLFSPSSTLFSSSRLRYGM
 SDVMPSGRSRLLED FRNNR YPNLQLREIAGHIMEFSQDQHGSRFIQLKLERATPAE
 RQLVFNEILQAAYQLMVDVFGNYVIQKFFFEFGS LEQKLALAEIRGHVLSLALQMYG
 CRVIQKALEFIPSDQQNEMVRELDGHVLKCVKDQNGNHVVQKCI EC VQPQSLQFIID
 AFKGQVFALSTHPYGC RVIQRILEHCLPDQTLPILEELHQHTEQLVQDQYGN YVIQHV
 L EHGRPEDKSKIVAEIRGNVLVLSQHKFASNVEKCVTHASRTERAVLIDEVCTMND
 GPHSALYTM MKDQY ANYVVQK MIDVAEPGQRKIVMHKIRPHIATLRKYTYGKHILAK
 LEKYYMKNGVDLGPICGPPNGIITRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by

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conventional chromatography steps.

Full Length

Full L.

GENE INFORMATION

Gene Name

PUM1 pumilio RNA binding family member 1 [Homo sapiens (human)]

Official Symbol

PUM1

Synonyms

PUMH; HSPUM; PUMH1; PUM11; SCA47

Gene ID

9698

mRNA Refseq

NM_014676.3

Protein Refseq

NP_055491.1

MIM

607204

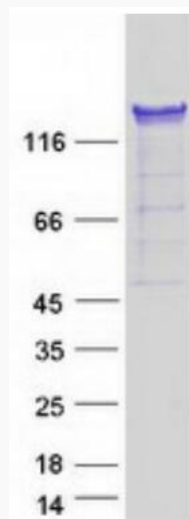
UniProt ID

Q14671

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Coomassie blue staining of purified PUM1 protein.

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