

Recombinant Human PUM1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PUM1-2883H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PUM1 MS Standard C13 and N15-labeled recombinant protein (NP_055491) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the PUF family, evolutionarily conserved RNA-binding proteins related to the Pumilio proteins of Drosophila and the fem-3 mRNA binding factor proteins of C. elegans. 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.
Molecular Mass	126.5 kDa
AA Sequence	MSVACVLKRKAVLWQDSFSPHLKHHHPQEPANPNMPVVLTSGTGSQAQPQPAANQ ALAAGTHSSPVPGSIGVAGRSQDDAMVDYFFQRQHGQELGGGGSGGGGYNNSKH RWPTGDNIHAEHQVRSMDELNHDFQALALEGRAMGEQLLPGKKFWETDESSKDGP

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KGIFLDQWRDSAWGTS DHSV SQPIMVQRRPGQSFHVNSEVNSVLSPRSESGGLG
VSMVEYVLSSSPGDSCLRKGGFGPRDADSDENDKGEKKNKGTDFGDKLGLDKEEG
DVMDKTNGLPVQNGIDADV KDFS RTPGNCQNSANEVDLLGPNQNGSEGLAQLTST
NGAKPVEDFSNMESQSVPLDPMEHVGM EPLQFDYSGTQVPVDSAAATVGLFDYNS
QQQLFQRPNALAVQQLTAAQQQYALAAAHQPHIGLAPAAFVPNPYIISAAPPGTDP
YTAGLAAAATLGP AVVPHQYYGVTPWGVYPASLFQQQAAAAAATNSANQQTTPQ
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YPVLAPAAYYDQTGALV V NAGARNGLGAPVRLVAPAPVIISSSAAQAAVAAAAASAN
GAAGGLAGTTNGPFRPLGTQQPQPQPQQPNNNLASSSFYGNNSLNSNSQSSSLF
SQGSAQPANTSLGFGSSSSLGATLG SALGGFGTAVANSNTGSGSRRDSL TGSSDL
YKRTSSSLTPIGHSFYNGLSFSSSPGPVGMPLPSQGP GHSQTPPPSLSSHGSSSSL
NLGGLTNGSGRYISAAPGA EAKYRSASSASSLFS PSTLFSSSRLRYGMSDVMP SG
RSRLLEDFRNNRYPNLQLREIAGHIMEFSQDQHGSRFIQLKLERATPAERQLVFNEIL
QAAYQLMVDVFGNYVIQKFFEFGSLEQKLALAEIRGHVLSLALQMYGCRVIQKALE
FIPSDQQNEMVRELDGHVLKCVKDQNGNHVVQKCI ECVQPQSLQFIIDAFKGQVFAL
STHPYGCRVIQRILEHCLPDQTLPILEELHQHTEQLVQDQYGN YVIQHVLEHGRPED
KSKIVAEIRGNVLVLSQHKFASNVEKCVTHASRTERAVLIDEVCTMNDGPHSALYT
MMKDQYANYVVQKMIDVAEPGQRKIVMHKIRPHIATLRKYTYGKHILAKLEKYMKN
GVDLGPICGPPNGIITRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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GENE INFORMATION

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

Official Symbol PUM1

Synonyms PUM1; pumilio homolog 1 (Drosophila); pumilio (Drosophila) homolog 1; pumilio homolog 1; KIAA0099; PUMH1; pumilio-1; PUMH; HSPUM; PUML1;

Gene ID 9698

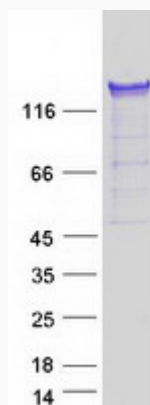
mRNA Refseq NM_014676

Protein Refseq NP_055491

MIM 607204

UniProt ID Q14671

SDS-PAGE



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