

Recombinant Human PUM1, His-tagged

Cat. No. PUM1-31264TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 1005-1186 of Human Pumilio 1 with N terminal His tag; 182 amino acids, 25kDa.
Species	Human
Source	E.coli
ProteinLength	1005-1186 a.a.
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.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 89 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium

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	phosphate, 10mM Sodium chloride, pH 4.5
Storage	Store at 4°C. Upon reconstitution store at -80oC.
Sequences of amino acids	YGCRVIQRILEHCLPDQTLPILEELHQHTEQLVQDQYGNV VIQHVLEHGRPEDKSKIV AEIRGNVLVLSQHKFASNVV EKCVT HASRTERAVLIDEVCTMNDGPHSALYTMMKD QYANYVVQKMIDVAEPGQRKIVMHKIRPHIATLRKYTYGKHI LAKLEKYYMKNGVDL GPICGPPNGII

GENE INFORMATION

Gene Name	PUM1 pumilio homolog 1 (Drosophila) [Homo sapiens]
Official Symbol	PUM1
Synonyms	PUM1; pumilio homolog 1 (Drosophila); pumilio (Drosophila) homolog 1; pumilio homolog 1; KIAA0099; PUMH1;
Gene ID	9698
mRNA Refseq	NM_001020658
Protein Refseq	NP_001018494
MIM	607204
Uniprot ID	Q14671
Chromosome Location	1p35.2
Pathway	Clathrin derived vesicle budding, organism-specific biosystem; Golgi Associated

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Vesicle Biogenesis, organism-specific biosystem; Membrane Trafficking, organism-specific biosystem; trans-Golgi Network Vesicle Budding, organism-specific biosystem;

Function

RNA binding; binding;

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