

## Product datasheet for **SC216231**

### **Pumilio 1 (PUM1) (NM\_001020658) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	Pumilio 1 (PUM1) (NM_001020658) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PUM1
Synonyms:	HSPUM; PUMH; PUMH1; PUML1; SCA47
ACCN:	NM_001020658
Insert Size:	1735 bp



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**Insert Sequence:** >SC216231 3'UTR clone of NM\_001020658  
 The sequence shown below is from the reference sequence of NM\_001020658. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATCTGTGGCCCCCTAATGGTATCATCTGAGGCAGTGTACCCCGCTGTTCCCTCATTCCCGCTGACCTC
ACTGGCCCACTGGCAAATCCAACCAGCAACCAGAAATGTTCTAGTGTAGAGTCTGAGACGGGCAAGTGG
TTGCTCCAGGATTACTCCCTCCTCAAAAAAGGAATCAAATCCACGAGTGGAAAAGCCTTTGTAAATTT
AATTTTATTACACATAACATGACTATTTTTTTAATTGACTAATTGCCCTGCTGTTTTACTGGTGTAT
AGGATACTTGTACATAGGTAACCAATGTACATGGGAGGCCACATATTTGTTCACTGTTGTATCTATAT
TTCACATGTGGAACTTTAGGGTGGTTGGTTAAACAAAAAAGCTTTAAAAAAGAAAAA
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TTAGTAAAAAACAAACAAAAACAAAAACCTGAGAAGTTTGAATTGTAGTTAAATGACCCCAAAGTGG
CATTTAACTGTTTATAAAAAATATATATATATATATATAATGAAAAGGTTTCAGAGTT
GCTAAAGCTTCAGTTTGTGACATTAAGTTTATGAAATTCTAAAAATGCCTTTTTTGGAGACTATATTA
TGCTGAAGAAGGCTGTTTCGTGAGGAGGAGATGCGAGCACCAGAAGCTCTTTGAGGCTGGGCGGGTGT
GATTGTTTACTGCCTACTGGATTTTTTCTATTAACATTGAAAGGTAAAACTGATTATTTAGCATGAG
AAAAAATCCAACCTGCTTTTGGTCTTCTATAAATATATAGTGTATACTTGGTGTAGACTTT
GCATATACAAATTTGTAGTATTTCTGTTTGTATGCTAATCTGTATCTATAATGTACCCTAGTAG
TCGAACATACTTTGATTGTACAATTGTACATTTGTATACCTGTAATGTAATGTGGAGAAGTTTGAAT
CAACATAACACGTTTTTTGGTAAGAAAAGAGAATTAGCCAGCCCTGTGCATTCAAGTATATTCAC
CTTTTATGGTCGTAGCATATAGTGTGTATATTGTAATTTCAACCAGAAGTAAATTTTTTTC
TTTTGAAGGAATAAATGTTCTTTATACAGCCTAGTTAATGTTTAAAAAGAAAAAATAGCTTGGTTTTA
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TTTTTTAATCTAAAAAGTAATGTTTTGATTTTGTGACAGTCAAAAGGACGTGCAAAAGTCTAGCCT
TGCCCGAGCTTTCCTTACAATCAGAGCCCTCTCACCTTGTAAGTGTGAATCGCCCTCCCTTTTGTGTA
CAGAAGATGAACTGTATTTGCATTTTGTCTACTTGAAGTGAATGTAACATACTGTCAATTTCCCTTG
TTTGAATATAGAATTGTAACACTACACGGTGTACATTTCCAGAGCCTTGTGTATATTTCCAATGAACCT
TTTTGCAAGCACACTTGAACCATATGTGTATAATTAACAAACCTGTGTATGCTTATGCCTGGGCAACT
ATTTTTGTAACCTTGTGTAGATTGTCTTAAACAATGTGTGATCTTTATTTGAAAAATACAGAAT
TTGGAATCTG
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACC GCCCTTCTATGAAAGG
  
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_001020658.2](#)

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Locus ID:** 9698

**MW:** 67.7