

## Product datasheet for **SC337748**

### **Pumilio 2 (PUM2) (NM\_001282790) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pumilio 2 (PUM2) (NM_001282790) Human Untagged Clone
Tag:	Tag Free
Symbol:	PUM2
Synonyms:	PUMH2; PUML2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001282790, the custom clone sequence may differ by one or more nucleotides

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ATGAATCATGATTTTCAAGCTCTTGCATTAGAATCTCGGGGAATGGGAGAGCTTTTGCCTACCAAAAAGT
TTTGGAACTGATGATTCAACAAAAGATGGACAAAAGGCATATTTCTGGGGATGATGAATGGAGAGA
GACTGCATGGGGAGCTTCTCACCATTCAATGTCCAGCCTATTATGGTACAGAGAAGATCTGGACAGGGT
TTTCATGGAAACAGTGAAGTAAATGCAACTACTGTCTCCGCGATCAGAAAAGTGGAGGCCTTGGTGTGAGCA
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AGTTTTCTCAAGACCAGCATGGTCTAGATTATACAGCAAAAAGTACTAGAGAGAGCTACTCCAGCTGAGCG
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TGCTCCCGTGTGAGAGAGCTTACTGATTGACGAGGTTTGTGCCAGAATGATGGTCTCACAGTGCC
TTATACACCATGATGAAGGACCAGTATGCCAATACGTGGTTCAAAAGATGATTGATATGGCTGAACCTG
CTCAGAGAAAAGATAATCATGCACAAGATTCGACCTCACATTACTTTGCGCAAATACACATACGGGAA
GCATATACTGGCCAAGTTGGAAAAGTATTTTGAAGAATAGCCCGACCTAGGACCTATTGGAGGACCA
CCAAATGGAATGCTGTAA
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**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001282790

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001282790.1</a></u> , <u><a href="#">NP_001269719.1</a></u>
<b>RefSeq Size:</b>	5877 bp
<b>RefSeq ORF:</b>	2958 bp
<b>Locus ID:</b>	23369
<b>Cytogenetics:</b>	2p24.1
<b>Gene Summary:</b>	<p>This gene encodes a protein that belongs to a family of RNA-binding proteins. The encoded protein functions as a translational repressor during embryonic development and cell differentiation. This protein is also thought to be a positive regulator of cell proliferation in adipose-derived stem cells. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and lacks an alternate in-frame exon in the coding region compared to variant 1. The resulting isoform (3) is shorter than isoform 1.</p>