

Product datasheet for **SC112640**

Pumilio 2 (PUM2) (NM_015317) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pumilio 2 (PUM2) (NM_015317) Human Untagged Clone
Tag:	Tag Free
Symbol:	Pumilio 2
Synonyms:	PUMH2; PUML2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_015317, the custom clone sequence may differ by one or more nucleotides

```

ATGAATCATGATTTTCAAGCTCTTGCATTAGAATCTCGGGGAATGGGAGAGCTTTTGCCTACCAAAAAGT
TTTGGAACTGATGATTCAACAAAAGATGGACAAAAGGCATATTTCTGGGGATGATGAATGGAGAGA
GACTGCATGGGGAGCTTCTCACCATTCAATGTCCCAGCCTATTATGGTACAGAGAAGATCTGGACAGGGT
TTTCATGGAAACAGTGAAGTAAATGCAACTACTGTCTCCGCGATCAGAAAAGTGGAGGCCTTGGTGTGAGCA
TGGTAGAATATGTATTAAGTTCTTCTCCTGCTGATAAATTGGATTCTCGATTTAGGAAGGAAAATTTTGG
CACTAGAGATGCTGAAACAGATGGACCTGAGAAAAGGAGATCAAAAAGGCAAGGCTTCTCCATTTGAGGAG
GACCAAAACAGAGATCTTAAACAAGGAGATGATGATGATTCTAAAATAAATGGCAGAGGTTTGCCAAATG
GAATGGATGCCGATTGCAAAGATTTTAATCGTACTCTGGAAGTCGTCAAGCCTCTCCAAGTGAAGTAGT
TGAGCGCTTGGGCCCAATACTAATCCCTCAGAAGGACTGGGGCCTTCTCCTAATCTACAGCTAATAAA
CCACTTGTGAAGAATTTTCAAATCCTGAAACTCAGAATCTGGATGCCATGGAACAAGTTGGTCTGGAAT
CCTTACAGTTTGACTATCCTGGTAATCAGTACCAATGGACTCTTCAGGAGCTACTGTAGGCCTTTTTTGA
CTACAATTTCCAGCAGCAGCTCTTTTCAGAGGACTAATGCACTAACAGTTCAACAGTTAAGTGCAGCTCAA
CAGCAGCAATATGCATTAGCAGCAGCTCAGCAGCCACATATAGCTGGTGTATTCTCAGCAGGCCTTGCTC
CAGCTGCATTTGTGCCAAATCCATACATTATTAGTGTCTCCTCCAGGGACCGATCCGTATACTGCAGC
AGGATTGGCTGCAGCAGCTACATTAGCAGGTCCAGCAGTGGTCCACCTCAGTATTACGGCGTCCATGG
GGGGTGTATCCAGCCAATTAATTCAGCAGCAAGCTGCAGCTGCGGCAAATAACACAGCCAGTCAGCAAG
CAGCATACAAGCTCAGCCTGGACAGCAACAGGTTCTCCGTGCTGGAGCAGGTGAGCGTCTTACTCC
CAATCAGGGTCAGCAAGGGCAGCAAGCAGAATCACTTCCGGCAGCTGCAGCAGCAAAATCCAACATTGGCT
TTTGGTCAGGGTCTTGTACTGGCATGCCAGGCTATCAAGTACTAGCTCCAAGTGCCTATTATGATCAGA
CTGGTGCCTTAGTGGTTGGCCCTGGAGCAAGGACTGGCCTTGGAGCTCCAGTTCCGGTTAATGGCTCCAAC
ACCTGTTTTAATTAGTTCAGCAGCAGCACAAGCTGCAGCAGCAGCAGCAGCTGGAGGAAGTGAAGTAGC
CTTACAGGCAGCACAATGGTCTGTTTTCGGCCAATTGGCACTCAGCCACCACAGCAGCAGCAACAGCAGC
CAAGCACTAATCTGCAATCTAATTCATTTTATGGAAGCAGTTCCTTGGACTAATAGCTCCAGAGTAGTTC
TTTATTTTCTCATGGACCTGGTCAACCTGGAAGTACATCTCTGGCTTTGGAAAGTGGTAAGTCTTTGGGT
GCTGCTATAGGCTCAGCCCTCAGTGGATTTGGTTCATCAGTTGGCAGTCTGCAAGTAGTAGTGCACAA
GGAGAGAGTCTCTACTAGCTCTGACTGTACAAAAGATCTAGTAGCAGCCTAGCACCCATAGGGCA
ACCATTTTACAATAGTCTGGGATTTTCTCCTCTCCAAGTCCAATAGGCATGCCTCTGCCAAGCCAACT
CCAGGACATTCACCTACGCCACCCGCATCACTTTCATCAGATGGATCCTCATCCAGTTTGCATTTAGGAG
GACTGACAAAATGGTAGTGGTCGATATATCTCTGCAGCACCTGGAGCAGAAGCAAAATATCGAAGTGCCTC
AAGCACTCCAGTCTATTTAGCTCCAGCAGCCAGCTCTTCTCCTTCCCGGCTTCGGTATAATAGGTCT
GATATTATGCCTTCTGGCCGAGTAGATTATTGGAAGATTTCAGAAAACAACCGCTTCCCAAACCTTCAGC
TTAGAGACTTGATTGGACATATAGTTGAGTTTTCTCAAGACCAGCATGGTCTAGATTCATACAGCAAAA
ACTAGAGAGAGCTACTCCAGCTGAGCGACAGATGGTATTTAATGAAATTTCTGCAAGCAGCCTATCAATTA
ATGACTGATGTTTTGGCAACTATGTTATACAGAAGTTTTTGGAGTTGGGAGTCTGGATCAAAAATTAG
CCCTGGTACTCGTATTCGTGGTCATGTTCTACCTTAGCCTTGACAGATGATGGCTGCCGCTTATTCA
GAAAGCATTAGAATCTATTTCTTCTGACCAGCAGAGTGAATGGTAAAGGAGCTGGATGGTCATGTGCTC
AAATGTGTGAAAGATCAGAAATGGAACCATGTTGTACAAAATGTATCGAATGTGTTAGCCACAGTCAC
TACAGTTCATCATTGATGCTTTCAAGGGACAAGTATTTGTGCTTTCAACTCATCCTTATGGCTGCAGAGT
AATTCAGCGCATCCTAGAGCATTGCACTGCAGAACAGACCTTACCTATCTTAGAAGAAGTCCACCAACAT
ACAGAGCAGTTGGTACAGGATCAGTATGGCAATTATGTTATTCAGCATGTAAGAACACGGTCGACCTG
AAGACAAGAGCAAAATGTTTTCCGAAATCAGGGGAAAGTTTTAGCCCTGAGTCAACACAAATTTGCCAG
CAATGTAGTAGAAAAGTGTGTTACTCATGCCTCCCGTCTGAGAGAGCTTTACTGATTGACGAGGTTTGC
TGCCAGAATGATGGTCTCACAGTGCCTTATACACCATGATGAAGGACCAGTATGCCAATTACGTGGTTC
AAAAGATGATTGATATGGCTGAACCTGCTCAGAGAAAAGATAATCATGCACAAGATTGACCTCACATTAC
TACTTTGCGCAAATACACATACGGGAAGCATATACTGGCCAAGTTGGAAGTATTATTTGAAGAATAGC
CCGGACCTAGGACCTATTGGAGGACCACCAATGGAATGCTGTAA
    
```

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015317 unedited
 CCGACCGCGCAATTCGGCACGAGGGCCGTGTGCCAACGGTGGGTGTCCCGGCTGAGGC
 AGCGCGGCCGACAGCAGCCCTGTTTGATCTGTGGATGAAATGAATCATGATTTTCAAGCTC
 TTGCATTAGAATCTCGGGGAATGGGAGAGCTTTTGCTACCAAAAGTTTGGGAACCTGT
 ATGATTCAACAAAAGATGGACAAAAGGCATATTTCTTGGGGATGATGAATGGAGAGAGA
 CTGCATGGGGAGCTTCTACCATTCAATGTCCCAGCCTATTATGGTACAGAGAAGATCTG
 GACAGGGTTTTTCATGAAACAGTGAAGTAAATGCAATACTGTCTCCGCGATCAGAAAGTG
 GAGGCCTTGGTGTGAGCATGGTAGAATATGTATTAAGTTCTTCTCTGCTGATAAATTGG
 ATTCTCGATTTAGGAAGGAAATTTTGGCACTAGAGATGCTGAAACAGATGGACCTGAGA
 AAGGAGATCAAAAAGGCAAGGCTTCTCCATTTGAGGAGGACCAAAACAGAGATCTTAAAC
 AAGGAGATGATGATGATTCTAAAATAAATGGCAGAGGTTTGCCAAATGGAATGGATGCCG
 ATTGCAAAGATTTAATCGTACTCCTGGAAGTCGTCAAGCCTCTCCAAGTAAAGTAGTTG
 AGCGCTTGGGCCCAATACTAATCCCTCAGAAGGACTGGGGCCTTCTCTAATCTACAG
 CTAATAAACCACTTGTGAAGAATTTTCAAATCCTGAAACTCAGAATCTGGATGCCATGG
 NAACAGTTGGTCTGGAATCCTTACAGTTTACTATCCTGGTAATC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015317 unedited
 CGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTAAGGATTAACAAACGATTTTAATTAT
 ACACATATGGTCACAATTTTGCCTTAAAAAGATTGTTGGGAAATGTACATAAGGCCGCTT
 GTAATGTACATCGTGTACTGTATGTCTTATGTCCAGAGGAAAAATGTTATCATAACA
 GATTTGCTCTTACTTGGGAGTAGGCTATTCAAAAATACAGTACTTCTGTACAAAGAAA
 AAAGTCACATCACATTTAATAAGATGAAAAAGCATTGGCCTCCATGGTAACCAATATC
 TCAGTCCAATACTTTCTATTATGCACAATACCCTGACTTCAATTGAAAGTATCCAAATT
 CTAGCAGGTCCATATTAACAGTCAACAATATGTTATAAAAACAAAATGATCTCACAAATA
 TAAAAAGAAAGCTGGTTCATACTTCTGAAACCATATAAAGATAAAAAATTTTTAAAAAT
 CACTCTCGATTTGGAGAAATAAATTTACATTATACAACACTATATTGCCAGGTCAAAGAG
 GGCAGGGACGTAATGTACACTAAAATGCAATGTATCCCAAAGAGATAAAAACAAATTC
 ATTTACAGCATGAAGGTTTACAATGTACACCTGTACAACCAAGGAAAGCATCACTACTA
 AATTAGCAGGGCTTTNTATATAAACATTGAAACAAGATTNCTTTCAAAGTGGTAACTTA
 CATTATTACTACACCACAATGCATATATTTATAGAAGCANAAAGAGCATCTGATATGTA
 ATATGCTAAATGCTGAGCTATAAATCACTTTCAAGGGCCCTTTTATCCTTCTGNTCT
 ACATTCTGGCTCTTGAACAAATAAGCTCACACTCCTCAACAGTTTGGATCCTTAGCAA
 ACAAATCAATTTCACTTTTTTCTTGCAACAACGAAAGTAAAGGGGCTACTTTCTTTTGG
 GCTATTGGGAGGGCCCGTTTTGTTAACTTTCAATCCAAT

Restriction Sites:

NotI-NotI

ACCN:

NM_015317

Insert Size:

4760 bp

OTI Disclaimer:

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).

Components:

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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM_015317.1](#), [NP_056132.1](#)

RefSeq Size: 6111 bp

RefSeq ORF: 3195 bp

Locus ID: 23369

UniProt ID: [Q8TB72](#)

Cytogenetics: 2p24.1

Domains: PUF

Gene Summary: 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]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).