

Product datasheet for RC239877

Pumilio 2 (PUM2) (NM_001282752) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pumilio 2 (PUM2) (NM_001282752) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pumilio 2
Synonyms:	PUMH2; PUML2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC239877 representing NM_001282752 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTCCAGCCTATTATGGTACAGAGAAGATCTGGACAGGGTTTTTCATGGAAACAGTGAAGTAAATGCAA
 TACTGTCTCCGCGATCAGAAAGTGGAGGCCTTGGTGTGAGCATGGTAGAATATGTATTAAGTTCTTCTCC
 TGCTGATAAATTGGATTCTCGATTTAGGAAGGGAATTTTGGCACTAGAGATGCTGAAACAGATGGACCT
 GAGAAAGGAGATCAAAAAGGCAAGGCTTCTCCATTTGAGGAGGACCAAAACAGAGATCTTAAACAAGGAG
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GGAAGTACATCTCTTGGCTTTGGAAGTGGTAACTCTTTGGGTGCTGCTATAGGCTCAGCCCTCAGTGGAT
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ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239877 representing NM_001282752
Red=Cloning site Green=Tags(s)

MSQPIMVQRSGQGFHGNSEVNAILSPRSESGGLGVSMVEYVLS SSPADKLD SFRKGNFGRDAETDGP
EKGDQK GKASPFEE DQNRDLKQGD DDDSKINGRGLPNGMDADCKDFNRTPGSRQASPT EVVERLGPNTNP
SEGLGPLNPNTANKPLVEEF SNPETQNL DAMEQVGL ES LQFDYPGNQVPM DSSGATVGLFDYNSQQQLFQ
RTNALTVQQLTAAQQQYALAAQQPHIAGVFSAGLAPAAFVNPYII SAAPPGTDPYTAAGLAAAATLA
GPAVVPPQYYGVPWGVYPANLFQQQAAAAANNTASQQAASQAQPGQQQLRAGAGQRPLTPNQGGQQQA
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QAAAAAAGGTASSLTGSTNGLFRPIGTQPPQQQQQPSTNLQSNFYGSSSLTNSQSSSLF SHGPGQP
GSTSLGFGSGNSLGAAIGSALSGFGSSVGSASSATRRSLSTSSDL YKRSSSLAPIGQPFYNSLGFS
SSPSPIGMPLPSQTPGHSLTPPPSLSSHGSSSLHLGGLTNGSGRYISAAPGAEAKYRSASSTSSLFSS
SQLFPPSRLRYNRSDIMP SGRSRLLED FRNNRFPNLQLRDLIGHIVEFSQDQHGSRFIQQKLERATPAER
QMVFNELQAAYQLMTDVF GNYVIQKFFEFGLDQKLALATRIRGHVPLALQMYGCRVIQKALESISSD
QQSEMVKELDGHVLCVKVDQNGNHVVQKIECVQPQSLQFIIDAFKGQVFLSTHPYGCRVIQRILEHCT
AEQTLPILEELHQHTEQLVQDQYGNVVIQHVLEHGRPEDKSKIVSEIRGKVLALSQHKFASNVEKCVTH
ASRAERALLIDEVCCQNDGPHSALYTMKDQYANYVVQKMIDMAEPAQRKIIMHKIRPHITTLRKITYGK
HILAKLEKYYLKNSPDLGPIGGPPNGML

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001282752

ORF Size: 3024 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001282752.2](#)

RefSeq Size: 6251 bp

RefSeq ORF: 3027 bp

Locus ID: 23369

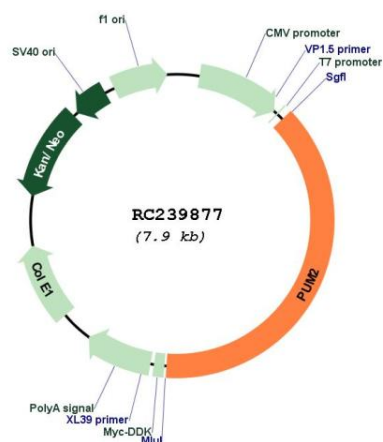
UniProt ID: [Q8TB72](#)

Cytogenetics: 2p24.1

MW: 108.1 kDa

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]

Product images:



Circular map for RC239877