

Product datasheet for **MC220086**

Pum3 (NM_177474) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pum3 (NM_177474) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pum3
Synonyms:	1110069H02Rik; AA675048; D19Bwg1357e
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220086 representing NM_177474
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATGGAAGTCAAAGGGGAAGAAAAAGTTTACAGGAAAGAGTCCACAGACATCACAAGGAAAGAATAAAT
 TTCATAAGAACAGTGAGTCTAGTTCTTCAAAGACATTCCTCAAGGAAAGCTGTTAAGGAAGGCGGACCTAA
 AGTCACATCTAAGAACTTTGAGAAAGGTGCCACAAAACCTGGCAAGAAAGGTGTGAAGCAGTTCAAGAAC
 AAGCCACAAGGGGGCAAAGGACCGAAGGACAAATTTAGAAAGCAATAAATTCAGCAAGAAGCGGAAAT
 TCCAGCCAGATGGTGAAGTGTGAATCAGGAGCCAAGAAACCAAGTGGGATGACTTCAAAAAGAAGAA
 GAAAGAGCTGAAGCAGAGCAGGCAGCTCAGTGACAAGACCAACTATGACATCGTGGTTTCGAGCAAAGCAC
 ATTTGGGAGAGCTTGAGAAGAAAAGATTGTGACAAGGAAAACCGGTGAAGCTCATGAGTGAATTCGAGA
 AGTTGATCAAGGAAAATTAAGTATCGCCTTTGCACATGACTCGACGCGGTGATCCAGTGCCTCAT
 TCAGTATGGGAACGAGGAGCAGAGAAGCAGGCTTTCCAAGAGTTGCAAGGCGACTTGGTTGAATTAAGT
 AAAGCCAAATATTCAGGAATATCGTTAAGAAAATTTCTCATGTATGGAAGTAAGCCACAAGTTGCGGAGA
 TAATCAGAAGTTTTAAAGGTCATGTGAGGAAGATGCTGCGGCATTCGGAGGCATCGGCCATTGTGGAGTA
 CGCATACAACGACAAAGCCATTTTGAACAGAGGAACATGCTGACAGAGGAGCTCTATGGGAACAGCTTT
 CAGCTTTACAAGTCAGCAGATCACCAACGCTGGACAAGGTGCTGGAGCTGCAGCCAGCAAAGCTAGAGC
 TTATCATGGACGAGATGAAGCAGATTCTGACACCGATGGCCAAAAGGAAGCTGTGATTAAGCACTCACT
 CGTTTATAAAGTATTCTTGGACTTTTTTACCTACGACCCCCAAAACCTCGATCAGAATAATTGAAGCC
 ATCCGGGAAGCAGTGGTGTACCTGGCCACACACAGATGGCCGACAGAGTGGCCATGCATGCCTGTGGC
 ACGGCACACCCAAAGGACAGGAAAGTGTGCTGAAAACGATGAAGACGTATGTGGAGAAGTTGCCAATGG
 CCAGTACTCTCACTTGGTTCTCCTGGCAGCGTTTGACTGTATTGATGATACTAAGCTTGTGAAGCAGATA
 ATCATATCAGAAATCATCAGTTCCTTGCCAGCATAGTTAATGACAAATACGGAAGGAAAGTCTCTTGT
 ACTTGATGAGCCCGAGAGACCCCGCCACACGCTGCCGAGCTCATCGAGCTTCTGCAGAAGGGTGTGAGG
 CAACGCGCACAGCAAGAAGGACACTGCAATCCGCCGGCGTGAGCTCTGGAGTCCATCTCTCCAGCTTTG
 CTGAGCTACCTGCAAGGACACACTCAAGAGGTGGTGTGATAAGTCTGCATGTGTGCTGGTGTCTGACA
 TGCTGGGATCTGCTACTGGAGATGTTGAGCCTGCTATGGATGCCATCGCCAGTTTGGCAGCAGCAGAACT
 GCATCCTGGTGGCAAGGACGGAGAGCTTATGTTGCTGAGCATCTGCAGGACATCTGGTTCTCAAATGG
 TTAGTAGACAAGATAAAAAGATGAAAGAAAGCGGAAAGGAGGTTGTTTTGCAAAAACCTTGTAGAGC
 GTGTTGGTATGAAGAACCCTCAAGTCTGGCCAGCATCAACCGAGGTGCCATTATCTTTCCAGCCTTCT
 TCAGAGTTGTGACCAAGAAGTTGTAACAAAGTCAAAGGTGGACTGAAACCCCTGATTCCTACCTTGGAA
 AAAAAAAAAGCAGCAGCAGAGGCATCCAGACCCTGCTTGAGAAGCTGACTGCGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_177474

Insert Size: 1947 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_177474.5](#), [NP_803425.1](#)

RefSeq Size: 3596 bp

RefSeq ORF: 1947 bp

Locus ID: 52874

UniProt ID: [Q8BKS9](#)

Cytogenetics: 19 21.96 cM

Gene Summary: This gene encodes a member of the evolutionarily conserved Pumilio and Fem-3 mRNA-binding factor family of proteins, which are characterized by tandem 36 amino acid pumilio homolog domains and which function in diverse biological processes. This protein belongs to a group of atypical Pumilio and Fem-3 mRNA-binding factor proteins, whose members are distinguished from other Pumilio and Fem-3 mRNA-binding factor proteins by a novel protein fold with 11 pumilio homolog domains and an ability to bind to DNA and single- and double-stranded RNA without sequence specificity. In mouse, lower levels of gene expression have been correlated with increased testicular germ cell tumors. A pseudogene of this gene is found on chromosome X. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2015]

Transcript Variant: This variant (1) represents the longer transcript and encodes the protein.