

Product datasheet for **RN212259**

Pum2 (NM_001106715) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pum2 (NM_001106715) Rat Untagged Clone
Tag: Tag Free
Symbol: Pum2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN212259 representing NM_001106715
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATCATGATTTTCAAGCTCTTGCATTAGAATCTCGGGGAATGGGAGAGCTTTTGCCACAAAAAAT
TTTGGAACTGATGATTCAACAAAAGATGGACAAAAGGCATATTTCTGGGGATGATGAATGGAGAGA
GACTGCATGGGGAACCTTCATCATTCAATGTCCAGCCTATTATGGTACAGAGAAGATCTGGACAGAGT
TTTCATGGAAACAGTGAAGTAAATGCAATCTTTCTCCGCGCTCAGAAAAGTGGAGGCCTTGGCGTAGCA
TGGTAGAATATGTATTAAGTTCTCTCCTGCTGATAAATTGGATTCTCGATTTAGGAAGGAACTTTTGG
TACTAGAGATGCTGAAACAGATGGACCTGAGAAAGGAGATCAAAAAGGCAAGGCTTCTCCATTTGAGGAG
GACCAAAACAGAGATCTTAACAAGATGATGAGGACTCTAAAATAAATGGCAGAGGTTTGCCAAATGGAA
TGGATGCCGATTGCAAAGATTTAATCGTACTCCGGAAGTCGTCAGCCTCTCCAAGTGAAGTAGTTGA
GCGCCTTGGCCCTAGTACTAATCCCCAGAAGGATTGGGTCTCTTCTAATCCGACAGCGAATAAACCA
CTTGTTGAAGAATTTCAAATCCTGAAACTCAGAACTGGATGCAATGGACCAAGTTGGTCTGGATTCT
TACAGTTTACTATCCTGGTAATCAGGTACCCATGGATTCTTCCAGGAGCTACTGTAGGCCTTTTGGACTA
CAATTTCCAAACAGCAGCTTTTCAGAGGACTAATGCACTAACAGTTCCAGCAGTTAACTGTGCTCAACAG
CAGCAGTATGCATTAGCAGCAGCTCAGCAGCCGCATATAGCTGGTGTATTCTCAGCAGGCCTTGCTCCAG
CTGCATTTGTGCCAAATCCATATATTATTAGTGTGCTCTCCAGGGACCGACCCGTATACTGCAGCAGG
ATTGGTGCAGCAGCAACATTAGCAGGTCCAGCAGTGGTTCACCTCAGTATTATGGTGTCCATGGGGG
GTGTATCCAGCCAATTTATTTAGCAACAAGCTGCAGCTGCGGCAAGCAACACAGCCAATCAGCAAGCAG
CATCACAAGCTCAGCCTGGACAGCAGCAGGTTCTTCGTCCTGGAGCAGGTCAACGTCCTATTACTCCAG
TCAGGGCCAACAAGGGCAGCAAGCAGAGTCACTGCAGCAGCCGAGCTGCAAACCAACTTTGGCTTTT
GGTCAGAGTCTTGCTGCAGGCATGCCAGGCTATCAAGTACTAGCTCCAAGTGCCTATTATGATCAGACTG
GTGCCTTAGTGGTTGGCCCTGGAGCAAGAAGTGGCCTTGGAGCTCCAGTACGATTAATGGCTCCAACACC
TGTCTTAATTAGTTCAGCAGCAGCAAGCTGCAGCAGCAGCAGCAGCTGGAGGAAGTGCAAATAGT
CTTACAGGCAGCACAACGGTCTGTTTCGGCCGATTGGCACTCAGCCACCGCAGCAGCAGCAGCAGCAGC
AGCCAAGCACTAACCTGCAGTCTAATTCGTTTTATGGGAGCAGCTTTTGACTAACAGCTCCAGAGCAG
CTCTTTATTTTCTCAGGACCTGGCCAACCTGGAAGTGCATCTCTTGGCTTTGGAAGTGGTAGCTCTTTG



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GGAGCCGCTATAGGCTCAGCTCTCAGTGGATTTGGCTCATCAGTTGGCAGTTCTGCAAGTAGTAGTGCCA
 CAAGGAGAGAGTCTCTATCTACTAGCTCTGACTTGTACAAAAGATCTAGTAGCAGCCTAGCACCCATAGG
 GCAACCATTTTACAATAGTCTGGGATTTTCTCCTCTCCAAGTCCAATAGGCATGCCTCTGCCAAGCCAA
 ACTCCAGGACATTCACCTACGCCACCGCCATCACTTTTCATCACATGGATCCTCATCCAGAGGCTGACAA
 ATGGTAGTGGTCGGTACATCTCTGCAGCACCTGGAGCGGAAGCAAAGTACCGGAGCGCTTCCAGCACTTC
 CAGCCTGTTTCAGCTCCAGCAGCCAGCTCTTTCTCCCTCTCGGCTCCGCTATAACAGATCTGATATCATG
 CCTCTGGCCGACAGCAGGCTATTGGAAGATTTTCAGGAACAACCGCTTCCCAACCTCCAGCTTAGAGACT
 TGATGGGACATATAGTCGAGTTTTCTCAAGACCAGCATGGCTCTAGATTACATACAGCAGAAGCTAGAGAG
 AGCTACTCCAGCTGAGCGACAGATGGTATTTAATGAAATTGTACAGGCTGCCTATCAATTAATGACAGAT
 GTTTTTGGAAACTATGTTATACAGAAGTTTTTTGAGTTTGGAAAGTTGGATCAGAAATTAGCCCTGGCTA
 ATCGTATTCGTGGTCATGTTCTACCATTAGCCTTGCAGATGTATGGCTGCCGTGTTATTCAAAAAGCATT
 AGAATCTATTTCTTCTGATCAGCAGAGTGAAATGGTCAAGGAACCTGATGGTCATGTACTTAAATGTGTG
 AAAGATCAGAATGAAACCATGTTGTACAGAAGTGTATTGAATGTGTTCAACCGCAGTCACTGCAGTTCA
 TCATCGATGCTTCAAAGGACAAGTATTTGTGCTTTCAACCCATCCTTACGGCTGCAGAGTCATTACGGC
 GATCTTAGAGCACTGTACTGCAGAGCAGACTTTACCCATCTTAGAAGAGCTTACCAACACACAGAGCAG
 TTGGTACAGGATCAGTATGGCAATTATGTTATTAGCATGTAAGTGAACATGGTGGCCTGAAGACAAGA
 GCAAAATTGTTTCTGAAATCAGAGGAAAGGTCTTAGCCCTGAGTCAACACAAATTTGCCAGCAATGTAGT
 AGAAAAGTGTGTTACTCATGCCTCACGTGCTGAGAGAGCTTTACTGATTGATGAGGTCTGCTGTCAGAAT
 GATGGTCTCACAGTGCCTTATACACCATGATGAAGGATCAATATGCCAACTATGTGGTTTCAAGAAGATGA
 TTGATATGGCTGAGCCTGCTCAGAGAAAGATAATCATGCACAAGATTCGACCTCACATCACTACTCTTCG
 CAAATACACATATGGGAAGCATATACTGGCCAAGTTGGAAAAATACTATTTGAAAAACAGCCAGATCTA
 GGGCCTATTGGAGGACCACCAATGGAATGCTGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001106715
- Insert Size:** 3186 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_001106715.1, NP_001100185.1
- RefSeq Size:** 6091 bp
- RefSeq ORF:** 3186 bp

Locus ID: 298874

Cytogenetics: 6q14