

Product datasheet for **RN200802**

Pum3 (NM_001025036) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pum3 (NM_001025036) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pum3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN200802 representing NM_001025036
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGTCAAAGGGAAGAAAAAATTACAGGAAAGAGTCCACAGACATCACAAGGAAAGAATAAATTTTC
 ATAAAAACAGTGAGTCTAGTTCTGCAAAGGCATCCCAAGGAAAGCTGCTAAGGAAGCGGGCCTAAAGT
 CACATCTAAGAACTTTGAGAAAGGTGCCACAAAACCTGGCAAGAAGCGTGTGAAGCAGTTCAAGAACAAG
 CCACAAGGGGGCAAAGGACCGAAGGACAAATTCAGAAGGCAAATAAATTCACAAGAAGCGGAAATTC
 AGCCAGATGGGAAAAGTGATGAATCAGCAGCCAAGAAACCAAGTGGGATGACTTCAAAAAGAAGAAGAA
 AGAGCTGAAGCAGAACAGACAGCTCAGTGATAAGACCAATTACGACGTCGTGGTTCGAGCAAAGCACATT
 TGGGAGAGCTTGAGAAGAAAAGACTGTGACAAAAGAAAAAGGGTGAAGCTCATGAGTGATTTGCAGAAGC
 TGATTCAGGAAAAATTAATACTATTGCCTTTGCGCATGACTCAACTCGAGTGATCCAGTGCCTCATTCA
 GTATGGGAGCGAGGAGCAGAGGAAGTGGGCTTTTGAAGAATTGCAAGGTGACTTGGTTGAATTAAGTAAA
 GCCAAATATTCCAGGAATATCGTTAAGAAATTTCTCATGTATGGAAGTAAACCACAGATTGCGGAGATAA
 TCAGAAGTTTTAAAGGTCATGTGAGGAAGATGCTGCGGCATTAGAGGCATCGGCCATTGTGGAGTATGC
 GTACAACGACAAAGCCATTTTGGAACAGAGGAACATGCTGACAGAGGAGCTCTATGGGAACACATTTAG
 CTTTACAAGTCAGCAGATCACCAACGCTGGAAAAGGTGCTAGAGGTGCAGCCAGGGAAGCTAGAAGTTA
 TCCTGGATGAGATGAAGCAGATTCTGACTCCCATGGCCAAAAGGAAGCTGTGATTAAGCACTCACTGGT
 TCATAAAGTATTCTTGGACTTTTTACCTATGCACCCCAAACTTCGATCAGAATAATTGAAGCCATC
 CGGAAGCAGTGGTGTACCTGGCCACACACAGATGGCGCCAGAGTGGCCATGCATTGCTTGTGGCATG
 GTACACCCAAGGACAGGAAGTGATTGTGAAAACAATGAAGACGTATGTGGAGAAGATTGCTAATGGCCA
 GTACTCTACCTGGTTCTCCTGGCAGCGTTCGATTGTATTGATGATACCAAGCTTGTGAAGCAGATAATC
 ATATCAGAAGTCATCAGCTCCTTGGCCAGCATCGTTAATGACAAAATATGGAAGGAAAGTGTGCTGTACC
 TGCTGAGCCCGGAGCCCGGCCACTTGGTGCCAGAGATCATCCAGCTGCTGCAGAAGGGCGACGGCAA
 TGCACACAGTAAGAAGGACACTGCAATCCGCCGGCGTGAGCTCTTGGAGTCCATCTCCAGCTTTGCTG
 AGCTACCTGCAAGGACACACTCGGGAGGTGGTGTGGACAAGTCCGTGTGTGTGCTGGTGTGACATCC
 TGGGATCTGCTACTGGGACGCTCAGCCTGCTATGGATGCCATCGCCGGTTTGGCAGCAGAGGAAGTGA
 TCCTGGGGCAAGGACGGAGAGCTCCACATTGCTGAGCATCCTGCAGGACATCTGGTCTCAAATGGTTA
 ATAGAGCAAGATAAAAAGATAAAAAGAAAATGGAAGAAGGTTGTTTTGAAAAACCTTGTAGAGTGCG
 TTGGTATGAAGAACCCTAAGTCCCTGGGCCAGCATCAACCGAGGAGCCATCGTTCTTTCCAGCCTTCTTCA
 GAGTTGTGACCAGGACGTTGTAACAAAGTCAAAGCTGGACTGAAAACCTGATTCTACCTTGGAAAAA
 ACCAAAAGCACCAGCAAAGGCATCCAGACTCTGCTTGAGAAGTTGACTGCATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001025036

Insert Size: 1944 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_001025036.1](#), [NP_001020207.1](#)

RefSeq Size: 2169 bp

RefSeq ORF: 1944 bp

Locus ID: 499339

UniProt ID: [Q562C7](#)

Cytogenetics: 1q52

Gene Summary: Inhibits the poly(ADP-ribosyl)ation activity of PARP1 and the degradation of PARP1 by CASP3 following genotoxic stress. Binds to double-stranded RNA or DNA without sequence specificity. Involved in development of the eye and of primordial germ cells.[UniProtKB/Swiss-Prot Function]