

Product datasheet for **RN209227**

Pygm (NM_012638) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pygm (NM_012638) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pygm
Synonyms:	Muscpho
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209227 representing NM_012638
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCAGGCCTCTTTCAGACCAGGATAAGAGAAAAGCAAATCAGTGTTCTGTGGCCTAGCTGGCGTGGAAA
 ATGTGTCTGACCTGAAAAAGAACTTCAACCGCCACCTACATTTACCCCTGGTCAAGGATCGCAATGTGGC
 CACTCCGAGAGATTACTATTTTCGCACTGGCTCACACCGTGCGGGACCACCTCGTGGGACGCTGGATCCGC
 ACACAGCAGCATTACTACGAAAAGGACCCCAAGAGGATCTACTACCTGTCTTTGGAGTTCTACATGGGGA
 GGACACTGCAGAACACCATGGTGAACCTGGCCTTGGAGAATGCCTGCGATGAGGCCACCTACCAGCTGGG
 TCTGGACATGGAGGAGCTGGAGGAGATCGAGGAGGATGCAGGGTTGGCAATGGAGGCCTGGGACGCTG
 GCAGTTGCTTCCCTGGACTCCATGGCTACACTGGGGCTAGCTGCCTATGGCTACGGGATCCGCTATGAGT
 TTGGGATTTTTAATCAGAAGATCTGTGGGGCTGGCAGATGGAAGAAGCTGATGACTGGCTTCGCTATGG
 CAACCCCTGGGAGAAGGCCCGCCAGATTACCGCTGCCTGTGCATTCTACGGTCGAGTGGAGCACACC
 AGTCAGGGTGCCAAGTGGGTGGACACACAGGTAGTGTGGCTATGCCCTATGACACTCCTGTGCCTGGCT
 ATCGAAAACAACGTTGTCAACACCATGCGCCTCTGGTCCGGCAAGGCACCTAATGACTTCAACCTCAAGGA
 CTTCAACGTTGGCGGCTACATCCAGGCCGTGCTGGACCGAAACCTGGCTGAGAACATCTCACGTGTTTTG
 TACCCCAATGATAACTTCTTTGAAGGGAAGGAATTGCGGCTGAAGCAGGAGTACTTTGTGGTGGCCGCCA
 CCCTCCAGGACATCATTCCGCGTTTCAAGTCTCCAAGTTTGGCTGCCGTGATCCTGTGCGCACAACCTT
 TGATGCTTCCCTGATAAGGTGGCCATCCAGCTCAACGACACCCACCTTCTTTGGCCATCCCTGAACCTG
 ATGAGGATCTGGTGGACCTGGAACGACTGGACTGGGACAAGGCCTGGGATGTGACAGTGAAGACCTGTG
 CCTACACCAACACACAGTGTCCCTGAAGCCCTGGAGCCTGGCCAGTGCACCTCATGGAGACTGTG
 TCCCGCCATCTGCAGATCATTATGAGATCAACCAGCGTTTCCCTAATCGGGTGGCGGCCGATTCCCT
 GGGGACGTAGATAGGCTGCGGCGCATGTCACTCGTGGAGGAAGGAGCGGTGAAACGCATCAACATGGCAC
 ACTTGTGCATTGCTGTTCCACGCAGTCAACGGTGTGGCTCGCATCCATTCCGAGATCCTCAAGAAAAAC
 CATCTTCAAGGACTTTTTAGAGCTGGAGCCTCACAAGTTCAGAAACAAGACCAATGGCATCACCCCTCGG
 CGCTGTTGTTCTGTGTAAACCTGGGCTGGCAGAGGTCATTGCTGAGCGCATCGGTGAGGAGTACATCT
 CGGATCTGGACCAGCTACGCAAGCTGCTCCTATGTGGATGATGAAGCCTTTATCCGTGATGTGGCCAA
 AGTGAAACAGGAAAAAAGTTGAAATCTCTGCGTACCTGGAGAGGGAATACAAAGTCCACATCAACCCC
 AACTCCCTCTTCGACGTCCAGGTGAAGAGGATTCATGAGTATAAACGCCAGCTTCTCAATTGCCTTCACA
 TCATCACCTGTATAACCGCATCAAAGGGAGCCCAATAGGTTTCATGGTCCAAAGGACTATCATGATTGG
 AGGCAAGGCTGCACCCGGTACCACATGGCTAAGATGATCATCAAGCTTATCACCGCCATTGGGGATGTG
 GTCAACCACGACCTGCGGTGGGAGACCGCTCCGAGTGTCTTCTGGAGAACTACCGAGTCTCACTGG
 CTGAGAAAGTTATCCCGCTGCTGACCTCTCAGAGCAGATCTCCACCGCGGGCACTGAGGCCCTCAGGCAC
 TGGCAACATGAAGTTCATGCTCAACGGGCTCTGACCATCGGCACCATGGATGGTCCAAACGTGGAGATG
 GCAGAGGAGCTGGGGAAGATAACTTCTCATCTTCGGCATGCGGGTGGAGGACGTGGAAGGCTGGACC
 AGAGAGGGTACAATGCCAGGAATACTACGACCGGATTCCTGAGCTTCGGCAGATCATCGAACAGTTAAG
 CAGTGGCTTCTTCTCCCCTAAACAGCCTGACCTGTTCAAGGACATCGTCAACATGCTCATGCACCATGAC
 CGGTTTAAAGTCTTTCAGATTATGAGGAATACATTAATGCCAGGACAAAGTCAGTGAGTTGTACAAGA
 ACCCAAGAGAGTGGACACGGATGGTGTGATCAGGAACATAGCCACCTCTGGCAAGTTTTCCAGTGACCGTAC
 CATTGCCAGTATGCCGGGAGATCTGGGGTGTGAACCTTCTCGTCAGCGCCTGCCAGCCCCAGATGAG
 AAGATCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_012638
Insert Size: 2529 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:	<ol style="list-style-type: none">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_012638.1 , NP_036770.1
RefSeq Size:	2862 bp
RefSeq ORF:	2529 bp
Locus ID:	24701
Cytogenetics:	1q43
Gene Summary:	catalyzes the hydrolysis of intracellular glycogen [RGD, Feb 2006]