

Product datasheet for **RN206321**

Pygl (NM_022268) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pygl (NM_022268) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pygl
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN206321 representing NM_022268
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGAAGCCCTTGACCGACCAGGAAAAGCGACGGCAGATCAGCATCCGCGGCATCGTGGGCGTGGAGA
 ACGTAGCGGAGCTGAAAAAGGGCTTCAATCGTCACCTGCACTTCACTCTGGTCAAGGACCGCAATGTGGC
 CACCCCCCGGACTACTACTTCCGCCCTTGCACACAGTGCACGACACCTGGTGGGCGCTGGATCCGC
 ACACAGCAGCACTACTATGACAAGTGCCCAAGAGGGTGTATTACCTCTCTGGAATTTTACATGGGCC
 GAACATTACAGAACCATGATCAACCTTGGCTTACAGAATGCCTGCGACGAAGCTATTTACCAGCTCGG
 GCTGGACATGGAGGAGTTGGAAGAAATTGAAGAAGATGCTGGGCTTGGCAATGGTGGTCTTGGGAGGCTT
 GCTGCCTGCTTCTGGACTCCATGGCAACGCTGGGGCTGCAGCCTATGGATACGGCATCCGTTATGAAT
 ATGGAATCTTCAATCAGAAGATCCGAGAAGGGTGGCAGGTAGAGGAGGCAGATGACTGGCTCAGGCATGG
 AAACCTTGGGAGAAGGCTCGTCTGAATTCATGCTGCCTGTGCATTTCTACGGAAGAGTAGAGCACACC
 CAGGCAGGAACAAAGTGGGTCGACACCCAGGTGGTGTGGCTTTGCCGTACGACACCCCCGTACCTGGGT
 ATATGAACAACACGGTGAACACTATGCGCCTCTGGTCCGCCCGAGCACCAATGACTTTAACCTTCAAGA
 CTTAATGTCCGAGACTACATTCAGGCTGTGCTGGACCGAACCTGGCTGAGAATATCTCCAGAGTGCTG
 TACCCCAACGATAACTTTTTGAAGGGAAGGAGCTGAGGCTGAAGCAGGAGTACTTTGTGGTGGCTGCGA
 CCCTGCAGGATGTCATCCGACGTTTCAAGGCCCTCAAGTTCGGCTCCAAGGATGGTGTAGGAACCGTGT
 TGATGCTTTTCCAGATCAGGTAGCCATCCAGCTGAATGACACACATCCCGCACTCGCCATCCCGGAGCTG
 ATGAGGATCTTTGGACATTGAAAAATTGCCCTGGTCCAAGGCCCTGGAGATCACCAAGAAGACCTTTG
 CCTACCAACACACCGGTGCTCCCGAGGCCCTGGAGCCTGGCCAGTGACCTGGTGGAGAAGCTGTG
 GCCTCGACACTTGCAGATCATTATGAGATCAATCAGAAGCATTAGATAGAATCGTGGCCTGTTTCT
 AAAGACATCGACCGCATGCGGGGATGTCTCTCATCGAAGAGGAAGGAGGCAAAAGGATCAACATGGCCC
 ACCTCTGCATCGTGGGCTGCCACGCGGTGAACGGGGTAGCGAAGATCCACTCGGACATCGTGAAGACCCA
 AGTATTCAAGGACTTCAGTGAGCTAGAACCAGACAAGTCCAGAATAAAACCAACGGGATCACCCCGAGG
 CGCTGGCTCTTACTCTGCAACCCAGGGCTGGCTGACTTGTAGCAGAGAAAATTGGAGAAGACTATGTGA
 AAGACCTGAGCCAGTGACGAAGCTCCACAGCTTCGTGGGCGACGACATCTTCCGGGAAATAGCCAA
 AGTGAAGCAGGAAAATAAATGAAATTCCTCCAGTTCTGGAAAAGGAGTACAAGGTGAAGATCAACCCA
 TCTTCCATGTTTACGTGACGTCAGTGAAGCGGATCCACGAGTACAAACGACAGCTTCTGAAGTCCCTGCATG
 TGATCACCATGTACAATCGCATCAAGAAAGACCCTAAGAAGTTCTTCGTGCCAAGGACAGTCATAATTGG
 TGGGAAAGCTGCCCCAGGATATCATGCCCCAAATGATCATAAAGCTGGTACCTCCGTGGCAGAAGTG
 GTGAACAACGACCCATGGTTGGCAGCAAGTTGAAAGTCATCTTCTGGAGAACTACAGAGTGTCTCTTG
 CTGAAAAAGTCATTCCAGCCACGGACCTGTGAGAACAGATCTCCACTGCTGGCACGGAAGCCTCGGGGAC
 GGGCAACATGAAGTTCATGCTGAACGGGGCCCTGACCATCGGGACTATGGATGGGGCCAATGTGGAGATG
 GCGGAGGAGGCCGGGAGGAAAACCTGTTATCTTTGGCATGAGGGTAGATGATGTGGCCGCTCTGGACA
 AGAAAGGGTATGAGGCCAAAGAATATTAGAGGCCCTTCCAGAAGTGAAGCTGGTATTATTTATCATGAC
 CAATGGCTTCTTTCTCCAATCAGCCAGACCTTCAAAGACATCATCAACATGTTATTTTATCATGAC
 AGATTTAAAGTCTTTCAGACTACGAAGCCTATGTCAAGTGTCAAGAAAAAGTCAGTCAGCTGTATATGA
 ATCAAAAAAGCCTGGAACACAATGTTTCTCAGAAACATAGTGCCTCGGGGAAAGTCTCCAGTGACCGAAC
 AATCAGGGAGTATGCCAAGGACATCTGGAACATGGAGCCTCCGATCTGAAGATCTCCCTATCTAAGGAG
 TCCAGCAATGGGGTCAACGCCAATGGGAAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_022268
Insert Size: 2553 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_022268.1 , NP_071604.1
RefSeq Size:	2715 bp
RefSeq ORF:	2553 bp
Locus ID:	64035
UniProt ID:	P09811
Cytogenetics:	6q24
Gene Summary:	catalyzes the rate-limiting step of glycogen catabolism [RGD, Feb 2006]