

Product datasheet for **MC222017**

Pygb (NM_153781) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pygb (NM_153781) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pygb
Synonyms:	MGC36329
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC222017 representing NM_153781
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGAAGCCGTTGACGGACAGTGAGAGGCAGAAGCAGATCAGCGTGCCTGGCATCGCGGGCTGGGCG
 AGGTGGCCGAGGTGCGGAAGAGCTTCAACAGACACCTGCATTTACGCTGGTCAAGGACCGCAATGTGGC
 CACGCCCCGCGACTACTTCTTCGCTCTGGCACACAGTTCGCGACCACCTAGTGGGCGCTGGATCCGC
 ACGCAGCAGCATTACTATGAGCGGGACCCCAAGCGCATCTATTACCTTTCCCTGGAATTCTACATGGGCC
 GCACGCTGCAGAAATACCATGGTGAACCTGGGCCTCAGACTGCATGCGACGAAGCCACTTATCAGTTGGG
 GTTGGACTTGAAGAGCTAGAGGAGATAGAGGAGGATGCTGGTCTTGGGAATGGCGGCCTGGGGCGCCTG
 GCAGCCTGCTTCTTGTCAATGGCCACCCTGGGTCTGGCTGCATACGGCTATGGAATCCGATATGAAT
 TTGGGATTTTCAACAAAAGATTGTCAATGGCTGGCAGGTTGAAGAAGCTGATGACTGGCTACGCTATGG
 AAACCCCTGGGAGAAGGCACGGCCGGAGTACATGCTGCCGGTGCATTTCTACGGGAGGTTGGAGCACACC
 CCTGACGGGGTCTCTGGCTGGACACGCAGGTGTTACTCGCTATGCCCTACGACACCCCAAGTGCCTGGGT
 ATAAGAACAACACAGTCAACACCATGAGGCTCTGGTCTGCCAAGGCACCCAATGACTTCAAGCTGAAGGA
 CTTCAACGTTGGGGACTACATCGAAGCTGTCTGGATAGGAACCTGGCTGAGAACATCTCCAGGGTCTCTG
 TATCCCAATGACAATTTCTTCGAGGGGAAGGAGCTGCGGCTGAAGCAGGAGTACTTTGTGGTGGCTGCCA
 CCCTCCAGGACATCATTGGAAGTTCAAGTCTTCCAGGTTTGGCTGCCGGGACCCAGTGAGAACCTGTTT
 CGAGACATTCCAGACAAGGTAGCCATCCAGCTGAATGACACCCACCCCGCGCTCTCCATCCCTGAGCTC
 ATGCGGATCCTGGTGGACGTGGAGAAGGTGGACTGGGTAAGGCCTGGGAGATCACCAAGAAGACCTGTG
 CCTACACCAACCAACAGGTGCTGCCGAGGCCCTGGAGCGCTGGCCAGTGTCTATGTTTGAAGAAGTCTG
 TCCGCGGCACCTGGAAATAATCTATGCCATCAACCAGAGGCACTTGGACCACGTGGCTGCCCTGTTTCT
 GGGGACGTGGACCGACTGAGGAGGATGTCCGTATTGAGGAAGGGGACTGCAAGAGAATCAACATGGCAC
 ACCTGTGTGTGATTGGGTCCCACGCTGTGAACGGGTGGCAAGGATTCACCTCTGAGATCGTGAAGCAGTC
 TGTCTTTAAGGACTTTTACGAACCTGGAGCCAGAGAAGTCCAGAACAAGACAAATGGCATCACGCCCCGA
 CGGTGGCTGCTGTTGTGAACCCGGGGCTGGCAGAAATCATTGTAGAGAGAATCGGGGAAGGTTTCTGGA
 CCGATCTGAGCCAACTGAAGAAGCTGCTGCTACTGTTGATGATGAGGCCTTCATCAGAGACGTAGCCAA
 GGTTAAGCAGGAAAACAAGCTGAAGTCTCTGCCAGCTAGAGAAGGAGTACAAGGTGAAGATCAACCT
 GCATCCATGTTTGTGTCACGTGAAGAGGATCCACGAATATAAGCGACAGCTGCTCAACTGCCTACACA
 TTATCACCTGTACAACCGAATAAAGAAGGATCCAGCCAAGGCCTTTGTGCCAGGACTGTTATGATTGG
 GGGCAAGGCAGCTCCTGGTTACCACATGGCTAAGATGATCATCAAGCTGGTCCATCCATTGGAGATGTT
 GTCAATCATGATCCAGTTGTGGGCGACAGGCTCAGAGTATCTTCTGGAGAACTACCGTGTGCTTTAG
 CTGAGAAAGTGATCCCAGCGGCTGACCTGTCCCAGCAGATCTCCACTGCGGGCACTGAAGCCTCGGGCAC
 AGGCAACATGAAGTTCATGCTCAATGGAGCGCTCACCATCGGCACCATGGATGGTCCAACGTGGAGATG
 GCCGAGGAGGCCGGGAGGAGAACCTCTCATCTTTGGTATGCGGGTGAAGATGTCGAGGCCCTGGACC
 AGAAAGGTTACAATGCCAGAGAATCTATGAGCGCCTGCTGAGCTGAGGCAGGCTGTGGATCAGATCAG
 CAGTGGCTTCTTTCTCCAAAGATCCAGACTGCTTCAAGGACGTGGTTAACATGCTGATGTACCACGAC
 AGATTCAGGTATTTGCAGACTATGAAGCCTACATCCAATGCCAGGCCAGGTGGACCGTCTATACCGGA
 ATTCCAAGGAGTGGACTAAAAAGGTGATCAGGAATATAGCCTGCTCTGGCAAGTCTCCAGTGACCGGAC
 CATCACTGAATACGCCCGGAGATCTGGGGTGTGGAGCCCTCTGACCTGCAGATCCACCCCAACCTC
 CCAAGGACTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_153781
Insert Size: 2532 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_153781.1 , NP_722476.1
RefSeq Size:	3860 bp
RefSeq ORF:	2532 bp
Locus ID:	110078
UniProt ID:	Q8CI94
Cytogenetics:	2 74.74 cM
Gene Summary:	Glycogen phosphorylase that regulates glycogen mobilization. Phosphorylase is an important allosteric enzyme in carbohydrate metabolism. Enzymes from different sources differ in their regulatory mechanisms and in their natural substrates. However, all known phosphorylases share catalytic and structural properties.[UniProtKB/Swiss-Prot Function]