

## Product datasheet for **RG200701**

### PGAM2 (NM\_000290) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PGAM2 (NM_000290) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PGAM2
Synonyms:	GSD10; PGAM-M; PGAMM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200701 representing NM_000290 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCACTACCGCCTCGTGATGGTCCGGCACGGCGAGAGCACATGGAACCAGGAGAACCCTTTCTGTG  
GCTGGTTCGATGCAGAGCTGAGTGAAAAGGGGACCGAGGAGCCAAGCGGGGAGCCAAGGCCATCAAGGA  
TGCCAAGATGGAGTTTGACATCTGCTACACGTGAGTGTGAAGCGGGCCATCCGCACCTCTGGGCCATC  
CTGGACGGCACGGACCAGATGTGGCTGCCTGTGGTGCACACTGGCGCCTCAATGAGCGGCATTACGGGG  
GCCTCACAGGCCCAACAAGGCAGAAACGGCCCAAGCACGGGGAGGAGCAGGTGAAGATCTGGAGGCG  
CTCCTTCGACATCCCGCCGCCCCGATGGACGAGAAGCACCCCTACTACAACCTCATTAGCAAGGAGCGT  
CGGTACGCAGGCCTGAAGCCCGGGAACTCCCACTGCGAGAGCCTCAAGGACACCATTGCCCGGGCCC  
TGCCCTTCTGGAACGAGGAGATTGTTCCCCAGATCAAGGCCGGCAAGCGAGTGCTCATTGCAGCCCACGG  
GAACAGCTGCGGGGCATTGTCAAGCACCTGGAAGGGATGTCAGACCAGGCGATCATGGAGCTGAACCTG  
CCCACGGGGATCCCATTTGTGTATGAGCTGAACAAGGAGCTGAAGCCCACCAAGCCCATGCAGTTCTCTGG  
GTGATGAGGAAACGGTGCGGAAGCCATGGAGGCTGTGGCTGCCAGGGCAAGGCCAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**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\\_000290.4](#)

**RefSeq Size:** 845 bp

**RefSeq ORF:** 762 bp

**Locus ID:** 5224

**UniProt ID:** [P15259](#)

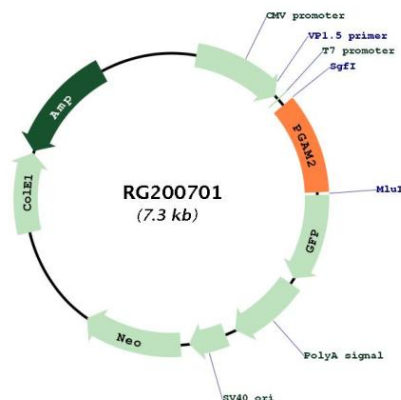
**Cytogenetics:** 7p13

**Protein Families:** Druggable Genome

**Protein Pathways:** Glycolysis / Gluconeogenesis, Metabolic pathways

**Gene Summary:** Phosphoglycerate mutase (PGAM) catalyzes the reversible reaction of 3-phosphoglycerate (3-PGA) to 2-phosphoglycerate (2-PGA) in the glycolytic pathway. The PGAM is a dimeric enzyme containing, in different tissues, different proportions of a slow-migrating muscle (MM) isozyme, a fast-migrating brain (BB) isozyme, and a hybrid form (MB). This gene encodes muscle-specific PGAM subunit. Mutations in this gene cause muscle phosphoglycerate mutase efficiency, also known as glycogen storage disease X. [provided by RefSeq, Sep 2009]

## Product images:



Circular map for RG200701