

Product datasheet for **RR206833**

Pgam2 (NM_017328) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pgam2 (NM_017328) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pgam2
Synonyms: D14Mgh1; PGAM-M; Pgmur
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206833 representing NM_017328
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCACCCACCGCCTAGTAATGGTCCGCCACGGTGAGAGCTCATGGAACCAAGAGAACCGTTTCTGTG
GCTGGTTTGCAGAACTGAGTGAGAAGGGGGCAGAGGAGGCCAAGCGGGGGCCACTGCCATCAAAGA
TGCCAAGATAGAGTTTGACATCTGCTACACGTCGGTGCTGAAGCGGGCTATCCGCACCTTTGGACCATC
CTGGATGTTACGGACCAATGTGGGTGCCCGTGGTGCGCACCTGGCGCCTCAATGAGCGGCACTATGGAG
GTCTCACGGGCTCAATAAGGCTGAGACGGCTGCAAAGCATGGGGAGGAGCAGGTGAAGATCTGGAGGCG
TTCTTTGACACCCGCCACCACCTATGGACGAGAAACACAACACTACTACGCCTCCATCAGCAAGGATCGG
CGCTATGCAGGCTTGAAGCCTGAGGAGCTGCCTACCTGTGAGAGCCTCAAGGACACCATTGCCCGGGCTC
TGCCCTTCTGGAATGAGGAGATCGCACCTAAGATTAAGGCTGGCAAGAGAGTCCTTATTGCAGCCCATGG
GAACAGCCTTCGAGGCATTGTCAAGCATCTGGAAGGGATGTCAGACCAGGCCATCATGGAATGAATCTG
CCCACCGAATCCCCATTGTCTATGAGCTGAACCAGGAGCTGAAGCCCACCAAGCCCATGAGTTCTCTGG
GAGACGAAGAGACAGTTCGGAAGCCATGGAGGCTGTGGCTGCCAGGAAAGGCAAAG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206833 representing NM_017328
 Red=Cloning site Green=Tags(s)

MATHRLVMVRHGESSWNQENRFCGWFDAELSEKGAEEAKRGATAIKDAKIEFDICYTSLVKRAIRTLWTI
 LDVTDQMWPVVRTWRLNERHYGGLTGLNKAETAAKHGEEQVKIWRRSFDTPPPPMDEKHNYIASISKDR
 RYAGLKPEELPTCESLKDTIARALPFWNEEIAPKIKAGKRVLIAAHGNSLRGIVKHLEGMSDQAIMELNL
 PTGIPIVVELNQELKPTKPMRFLGDEETVRKAMEAVAAQ GKAK

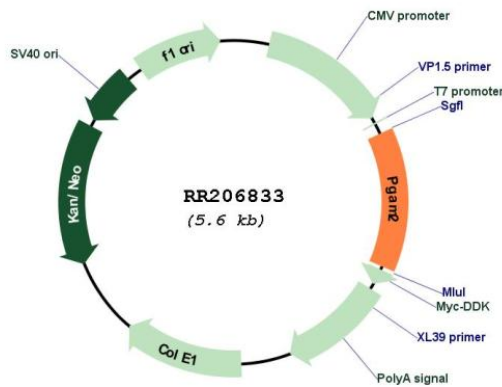
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_017328
 ORF Size: 759 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_017328.2 , NP_059024.1
RefSeq Size:	797 bp
RefSeq ORF:	762 bp
Locus ID:	24959
UniProt ID:	P16290
Cytogenetics:	14q21
MW:	28.8 kDa
Gene Summary:	catalyzes the interconversion of 2-phospho-D-glycerate and 3-phospho-D-glycerate [RGD, Feb 2006]