

Product datasheet for **MR203233**

Pgam2 (NM_018870) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pgam2 (NM_018870) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pgam2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203233 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCACCCACCGCCTAGTAATGGTTCGCCACGGTGAGAGCTTATGGAACCAAGAGAACCGTTTCTGTG
GCTGGTTTGTATGCAGAGCTGAGTGAGAAGGGAGCAGAGGAGGCCAAGCGGGGGCCACCGCTATCAAAGA
TGCCAAGATAGAGTTTGACATCTGCTACACGTCGGTGCAGAGCGGGCAATCCGCACCCTTTGGACCATC
CTGGATGTTACGGACAAATGTGGGTGCCGTGGTGCCTACCTGGCGCCTCAATGAGCGGCACTATGGTG
GCCTCACAGGCCTCAATAAGGCTGAGACGGCTGCAAAGCACGGGGAGGAGCAGGTGAAGATCTGGAGCG
TTCTTTGACACCCACCACCACCCATGGATGAGAAACACAACACTACTACACCTCCATCAGCAAGGACCGC
CGCTATGCAGGCTTGAAGCCTGAGGAGCTGCCTACCTGTGAAAGTCTCAAGGACACCATTGCCCGGGCCT
TGCCCTTCTGGAATGAGGAGATCGCACCTAAGATTAAGGCTGGCCAGAGAGTGCTTATTGCAGCCCATGG
GAACAGCCTTCGGGGCATTGTGAAACATCTGGAAGGGATGTCGACCAGGCCATCATGGAGCTGAACCTG
CCCCTGGAATCCCATTGTGTATGAGCTGGACCAGAACCTGAAGCCACCAAGCCCATGAGGTTCTGG
GAGACGAAGAGACGGTTCGGAAGCCATGGAAGCTGTTGCTGCCAGGAAAGGCGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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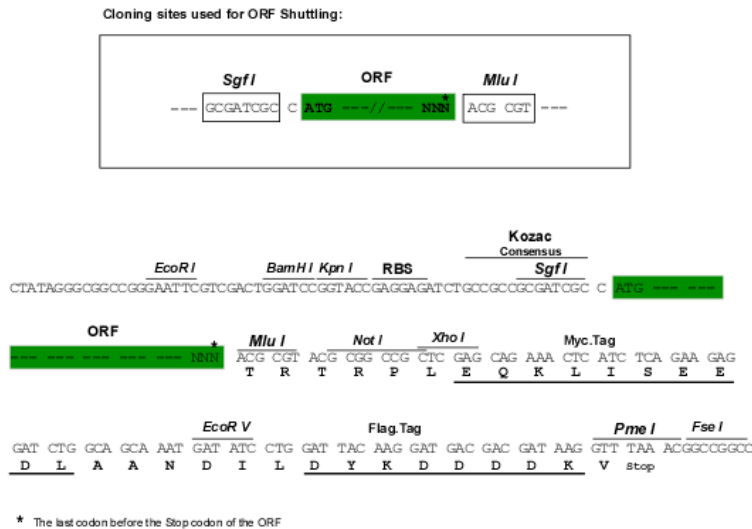
Protein Sequence: >MR203233 protein sequence
Red=Cloning site Green=Tags(s)

MTTHRLVMVRHGESLWNQENRFCGWFDALSEKGAEAKRGATAIKDAKIEFDICYTSLKRAIRTLWTI
 LDVTDQMWPVVRTWRLNERHYGGLTGLNKAETAAKHGEEQVKIWRRSFDTPPPMDEKHNYTTSISKDR
 RYAGLKPEELPTCESLKDTIARALPFWNEEIAPKIKAGQRVLIAAHGNSLRGIVKHLEGMSDQAIMELNL
 PTGIPIVYELDQNLKPTKPMRFLGDEETVRKAMEAVAAQ GKAK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018870

ORF Size: 762 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:

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_018870.1](#)

RefSeq Size: 906 bp

RefSeq ORF: 762 bp

Locus ID: 56012

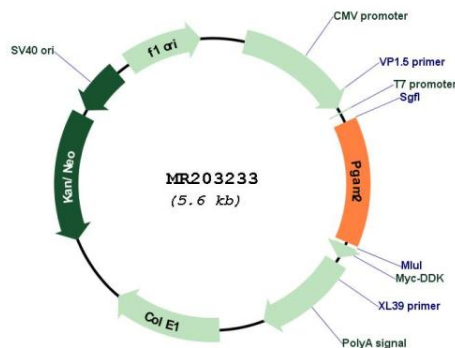
UniProt ID: [O70250](#)

Cytogenetics: 11 A1

MW: 28.8 kDa

Gene Summary: Interconversion of 3- and 2-phosphoglycerate with 2,3-bisphosphoglycerate as the primer of the reaction. Can also catalyze the reaction of EC 5.4.2.4 (synthase), but with a reduced activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203233