

Product datasheet for **RR208528**

Pgam1 (NM_053290) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pgam1 (NM_053290) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pgam1
Synonyms:	PGAM-B; Pgmur
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR208528 representing NM_053290 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTGCCTACAAGCTGGTGTGATCCGGCATGGCGAGAGCGCCTGGAACCTGGAGAACCCTTCAGCG
GCTGGTACGATGCCGACCTGAGCCAGCGGGCCACGAGGAGCGAAGCGCGCGGGCAGGCGTTGCGAGA
TGCTGGCTATGAGTTTGACATCGTCTTCACCTCTGTGCAGAAGAGAGCAATCCGCACCCTCTGGACAGTC
CTGGATGCCATTGACCAGATGTGGTTGCCAGTGGTACGGACCTGGCGTCTCAATGAGCGACACTATGGGG
GACTAACAGGTCTCAATAAAGCAGAGACTGCTGCTAAGCATGGTGAAGCACAGGTAAGATCTGGAGACG
ATCTTACGATGTCCCGCCACCTCCAATGGAGCCTGATCATCCCTTCTACAGCAACATCAGCAAGGACCGC
AGGTACGCAGACCTTACTGAGGACCAGTACCCTCCTGTGAGAGCCTGAAGGATACTATTGCCAGGGCAC
TGCCCTTCTGGAATGAAGAAATTGTTCCCCAGATCAAGGAGGGGAAAGGGGTCTTGATTCTGCCATGG
CAACAGCTACGGGGCATTGTCAAGCATCTGGAGGTCTGTGAGAAGAGGCCATCATGGAGCTGAACCTG
CCAAGTGGTATACCCATCGTCTATGAAGTGGACAAGAATTGAAGCCCATCAAGCCCATGCAGTCTCTGG
GAGATGAAGAGACGGTGGTAAAGCCATGGAAGCTGTGGCTGCTCAGGGCAAGGTGAAGAAG

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ACAAGGATGACGACGATAAGGTTTAA



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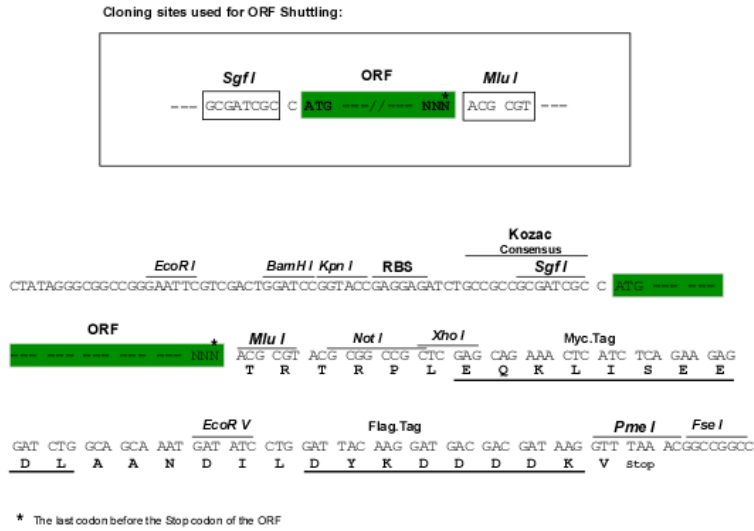
Protein Sequence: >RR208528 representing NM_053290
Red=Cloning site Green=Tags(s)

MAAYKLVLI RHGESAWNLENRFSGWYDADLSPAGHEEAKRGGQALRDAGYEFDIVFTSVQKRAIRTLWTV
 LDAIDQMWLPVVRTWRLNERHYGGLTGLNKAETA AKHGEAQVKIWRRSYDVPPPPMEPDHPFYSNISKDR
 RYADLTEDQLPSCESLKD TIARALPFWNEEIVPQIKEGKGV LIPAHGNSYGGIVKHLEGLSEEAIMELNL
 PTGIPIVVELDKNLKPIKPMQSLGDEETVRKAMEAVAAQGVKK

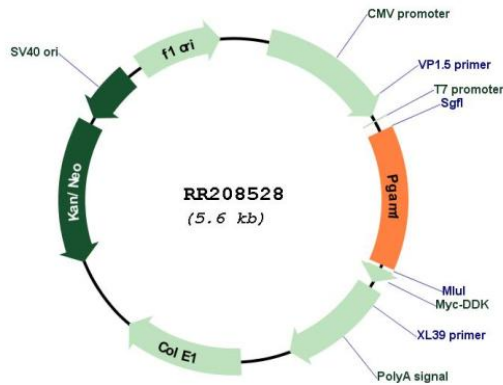
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053290
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:	<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_053290.1 , NP_445742.1
RefSeq Size:	1754 bp
RefSeq ORF:	765 bp
Locus ID:	24642
UniProt ID:	P25113
Cytogenetics:	1q54
MW:	28.6 kDa
Gene Summary:	catalyzes the interconversion of 3-phosphoglycerate and 2-phosphoglycerate [RGD, Feb 2006]