

Product datasheet for **MC211339**

Pgam5 (NM_001163538) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pgam5 (NM_001163538) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pgam5
Synonyms:	2610528A17Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC211339 representing NM_001163538 Red =Cloning site Blue =ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTTCCGGCAGGCGCTTCAGCTGGCGCCTGTGGTCTGGCCGGTGGCTCGGCCGCTGTTCTTCTTCT
CGGCGGTGCGGTAGGGAAGCCGCGAGGTGGCGGGATGCAGACACGCGCGACCGAGCCGCCGGCCTG
GACAGGAGCGCGAGCCGGGCGCGCGTCTGGACACCAACTGGGACAGGCGAGAGCCACTGTCACCTATT
AACCTGAAGAAAAGGAATGTGGAATCTGGAGAAGACGAGTTGACATCCAGGCTGGATCACTATAAGGCCA
AGGCCACAAGGCACATCTTCCTCATCCGGCATTCCAGTACCATGTGGATGGCTCCCTGGAGAAGGACCG
CACCCTGACACCATTAGGTCGGGAACAGGCTGAACTCACGGGGCTCCGACTTGCAAGCCTGGGATTAAG
TTAATAAAAATTGTCCATTCTCTATGACCCGTGCAAGTACAGACACAGACATCATCAGCAAGCACCTGC
CAGGTGTCTCCAGAGTCAGCACAGACTTGTACGGGAAGGTGCCCCATTGAACCGGATCCACCTGTCTC
TCACTGGAAGCCAGAGGCTGTGTATTATGAAGATGGAGCCCGATTGAAGCTGCCTTCAGGAACTACATC
CACCGAGCTGATGCCAGGAGGAGGAGGACAGCTATGAGATCTTCATATGCCATGCCAATGTCATCCGCT
ATATTGTTGTAGAGCGTTGCAGTTTCCCCAGAAGGTTGGCTCCGCCTGTCCCTCAACAACGGCAGTAT
CACCCACCTGGTATTGACCCAATGGTCGTGTGGCACTCAGGACCCTTGGGACACAGGGTTCATGCC
CCAGACAAGATTACTCGGTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001163538
Insert Size:	864 bp



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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:	BC138924 , AAI38925
RefSeq Size:	1161 bp
RefSeq ORF:	867 bp
Locus ID:	72542
UniProt ID:	Q8BX10
Cytogenetics:	5 F
Gene Summary:	Displays phosphatase activity for serine/threonine residues, and, dephosphorylates and activates MAP3K5 kinase. Has apparently no phosphoglycerate mutase activity. May be regulator of mitochondrial dynamics. Substrate for a KEAP1-dependent ubiquitin ligase complex. Contributes to the repression of NFE2L2-dependent gene expression (By similarity). Acts as a central mediator for programmed necrosis induced by TNF, by reactive oxygen species and by calcium ionophore.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).