

Product datasheet for **SC123147**

PGAM5 (NM_138575) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PGAM5 (NM_138575) Human Untagged Clone
Tag: Tag Free
Symbol: PGAM5
Synonyms: BXLBV68
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_138575 edited
 GCGCGGGCCGGCCGGGAGCAAGCGGCATGGCGTTCGGCAGGCGCTGCAGCTGGCGGCC
 TGCGGGCTGGCCGGGGGCTCGGCCCGCTGCTCTTCTCGGCCGTGGCGGTAGGGAAGCCG
 CGCGCAGGCGGGGACGCGGAGCCACGCCCGCTGAGCCGCCGGCTGGGCGGGGGCGCG
 CGGCCGGGCCCGGTGTCTGGGACCCAACTGGGACAGGCGAGAACCCTGTCTCTGATC
 AACGTGCGGAAGAGGAACGTGGAATCTGGGAAGAAGAGCTGGCGTCCAAGCTGGACCAC
 TACAAAGCCAAGGCCACGCGGCACATCTTCTCATCAGGCATTCCAGTACCACGTGGAT
 GGCTCCCTGGAGAAGGACCGCACTCTGACCCCGCTGGGTGGGAGCAGGCTGAACACT
 GGGCTCCGCTGGCAAGCTTGGGGTTGAAGTTAATAAAATCGTCCATTCTGTCTATGACG
 CGCGCCATAGAGACCACCGATATCATCAGCCGGCACCTGCCAGGCGTCTGCAAAGTCAGC
 ACAGATCTGCTGCGGGAAGGCGCCCCATCGAGCCAGACCCGCGTGTCTCATTGGAAG
 CCGGAAGCTGTGAGTATTACGAAGACGGAGCCGGATCGAGGCCGCTTCCGGAACAC
 ATCCACCGCAGATGCCAGGCAGGAGGAGGACAGTTACGAAATCTTCTATCTGTACGCC
 AACGTCATCCGCTACATCGTGTGACGATCCCGCCGCTGTTGTCCGCTGGGGATTTGTG
 GTTCTGGGGTCTGACCTCTTCACTTGCTGATCTGTGGGCGCTCCCACCCGTGTGCCAG
 CGTGACGGCTCGGGGTGTCGCTCCCCTCTGGGTCGAGGCCACAGCTGAGTACGTTGCT
 GCTCGGCTGCTCCCTCGGGGGCCCTTGTCCCTCAACCTGCTCTGGTGCCCACTCTCA
 GCACCACAGAATGATCCGGGTTCCAGGTTGCGTTTTCCCTGCCACCACCCTGCAATCAGCC
 ACTTCTTTAAGGAGCTCCAGGGCTGCAGCCAGTTAGAGGGCCCTTGGGGGGCAGGGCC
 AGCTCTACGGTTACATGCCTGAAACAGTCAGAAGGTTGGCCAAATCTCACTAAATGCAA
 ATTTGAAACAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_138575 unedited NTTGTTCGAATTTTGTAAATACGACTTCACTATAGGGCGGCCGCGATTCCCGGGATATCGT CGACCCACGCGTCCGGCGCGGGCCGGCGGGAGCAAGCGGCATGGCGTTCCGGCAGGCG CTGCAGCTGGCGGCTGCGGGCTGGCCGGGGCTCGGCCGCCGTGCTCTTCTCGGCCGTG GCGGTAGGGAAGCCGCGCGCAGGCGGGACGCGGAGCCACGCCGGCTGAGCCGCCGGCC TGGCGGGGGCGCGCGCCGGGCCCGGTGTCTGGGACCCCAACTGGGACAGGCGAGAA CCACTGTCTCTGATCAACGTGCGGAAGAGGAACGTGGAATCTGGGAAGAAGAGCTGGCG TCCAAGCTGGACCACTACAAAGCCAAGGCCACGCGGCACATCTTCTCATCAGGCATTCC CAGTACCACGTGGATGGCTCCCTGGAGAAGGACCGCACTCTGACCCCGCTGGGTCCGGAG CAGGCTGAACTACTGGCTCCGCTGGCAAGCTTGGGTTGAAGTTAATAAAAATCGTC CATTCTGTATGACGCGGCCATAGAGACCACCGATATCATCAGCCGGCACCTGCCAGGC GTCTGCAAAGTCAGCACAGATCTGCTGCGGGAAGGCGCCCCATCGAGCCAGACCCGCC GTGTCTCATTGGAAGCCGAAGCTGTGCAGTATTACGAAGACGGAGCCCGGATCGAGGCC GCCTTCCGGAACTACATCCACCGCAGATGCCAGGCAGGAGGAGACAGTTACGAAATC TTCATCTGTACGCCAACGTATCCGCTACATCGTGTGCAGCATCCCGCCGCTGTTGTCC GCTGGNGATTTGTGGTCTGGGTCTGACCTTTCACTTGTGATCTGTGGCGCT CCCACCCGTGTGCCAGCGTGC
Restriction Sites:	Please inquire
ACCN:	NM_138575
Insert Size:	1214 bp
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:	NM_138575.1 , NP_612642.1
RefSeq Size:	1214 bp
RefSeq ORF:	768 bp
Locus ID:	192111
UniProt ID:	Q96HS1
Cytogenetics:	12q24.33
Protein Families:	Transmembrane

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. 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 (3) differs in the 3' UTR and lacks a portion of the 3' coding region compared to variant 1. The encoded isoform (3) has a distinct C-terminus and is shorter than isoform 1.