

Product datasheet for **SC324561**

PGAM1 (NM_002629) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PGAM1 (NM_002629) Human Untagged Clone
Tag:	Tag Free
Symbol:	PGAM1
Synonyms:	HEL-S-35; PGAM-B; PGAMA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_002629.2
 GCTAATCCAGTCGGTGGCCGATCCCCAGCCCGCCGCATGGCCGCTACAACTGGTGC
 TGATCCGGCAGCGGAGAGCGCATGGAACCTGGAGAACCCTTCAGCGGCTGGTACGACG
 CCGACCTGAGCCCGGGCCGACGAGGAGGCGAAGCGCGGGCAGGCGCTACGAGATG
 CTGGCTATGAGTTGACATCTGCTTACCTCAGTGCAGAAGAGAGCGATCCGACCCTCT
 GGACAGTGCTAGATGCCATTGATCAGATGTGGTCCAGTGGTGAGGACTTGGCGCCTCA
 ATGAGCGGCACTATGGGGTCTAACCGGTCTCAATAAAGCAGAACTGCTGCAAAGCATG
 GTGAGGCCAGGTGAAGATCTGGAGGCGCTCTATGATGTCCCACCACCTCCGATGGAGC
 CCGACCATCCTTTCTACAGCAACATCAGTAAGGATCGCAGGTATGCAGACCTCACAGAAG
 ATCAGCTACCCTCCTGTGAGAGTCTGAAGGATACTATTGCCAGAGCTCTGCCCTTCTGGA
 ATGAAGAAATAGTTCCCCAGATCAAGGAGGGGAAACGTGTACTGATTGCAGCCCATGGCA
 ACAGCCTCCGGGCATTGTCAAGCATCTGGAGGGTCTCTCTGAAGAGGCTATCATGGAGC
 TGAACCTGCCACTGGTATTCCATTGTCTATGAATTGGACAAGAACTTGAAGCCTATCA
 AGCCCATGCAGTTTCTGGGGATGAAGAGACGGTGCCAAAGCCATGGAAGCTGTGGCTG
 CCCAGGGCAAGGCCAAGAAGTGAAGGCCGGGGGAGGATACTGTCCCCAGGAGCACCT
 CCCTGCCCGTCTTGTCCCTCTGCCCTCCACCTGCACATGTCACTGACCACATCTGT
 AGACATCTTGAGTTGTAGCTGCAGACGGGGACAGTGGCTCCCATTTTTCATTTTAGCCAT
 TTTGTGCGCTGCACCCACTCCCTTCATACAATCTAGTCAGAATAGCAGTTCTAGAGCACA
 GGTTCCTCAGTCTAAGCTATGGAAAAGCTCCCCTTATCCAACAGAGTTTAAAAGTAGTGAC
 TTGGGTTTTTGGCAGTGTCTTTGTTTACTAAGGACTTTGGGGAGGAACCATGCTAAGCCAT
 GACCAGTGAGGAGAAGCAACAGAGCCTGTCTGTCCCCATGAGCGGAGTCTGTCTCTGTCT
 CTTCTGCAGTCAGTCACTGCCTACTGCCTGGGGCTCTAGTCATTCCAGTGAAGACGA
 ATGTAACCTGCGTGGTGATGTGACAACGTGTTTCCCTCCCTGACCCAGAGGATCTGGCTCT
 AGGTTGGGATCAATCCTGAATTCGTTATGTGTTAATTTACTTTTATTAATAAAGTATAG
 TATATATAATAACAAAACAATAACCCTTCTGGGGTTTTCTGTGGCGTTGAAATAGTCCCA
 CATGTGGTCATCAGAAAATAAGCCATTCCTCATACCAATATAGGATCAGCTCCTTGACCT
 CTGAGGGGCAGGAGTGCTTCTGGTGTGTATTAGAATCCCTTCTGCCTTGTTCATG
 GCAGTGAATGCCTCTTGGTCTGTCCAAGTGTATCTTCACTGATTTCTGAATCATGTT
 CTAGTTGCTTGACCCTGCCACATGGGTCCAGTGTTCATCTGAGCATAACTGTACTAAATC
 CTTTTCCATATCAGTATAATAAAGGAGTGATGTGCAATAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_002629

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_002629.2 , NP_002620.1
RefSeq Size:	1762 bp
RefSeq ORF:	765 bp
Locus ID:	5223
UniProt ID:	P18669
Cytogenetics:	10q24.1
Domains:	PGAM
Protein Pathways:	Glycolysis / Gluconeogenesis, Metabolic pathways
Gene Summary:	<p>The protein encoded by this gene is a mutase that catalyzes the reversible reaction of 3-phosphoglycerate (3-PGA) to 2-phosphoglycerate (2-PGA) in the glycolytic pathway. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2015]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>