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Product datasheet for SC331393

PGM3 (NM_001199919) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: PGM3 (NM_001199919) Human Untagged Clone

Tag: Tag Free

Symbol: PGM3

Synonyms: AGM1; IMD23; PAGM; PGM 3

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC331393 representing NM_001199919.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGATTTAGGTGCTATTACAAAATACTCAGCATTACACGCCAAGCCCAATGGACTGATCCTTCAATAC
GGGACTGCTGGATTTCGAACGAAGGCAGAACATCTTGATCATGTCATGTTTCGCATGGGATTATTAGCT
GTCCTGAGGTCAAAACAGACAAAATCCACTATAGGAGTCATGGTAACAGCGTCCCACAATCCTGAGGAA
GACAATGGTGTAAAATTGGTTGATCCTTTGGGTGAAATGTTGGCACCATCCTGGGAGGAACATGCCACC
TGTTTAGCAAATGCTGAGGAACAAGATATGCAGAGAGTGCTTATTGACATCAGCGAGAAAGAAGCTGTG
AATCTGCAACAAGATGCCTTTGTAGTTATTGGTAGAGATACCAGGCCCAGCAGTGAGAAACTTTCACAA
TCTGTAATAGATGGTGTGACTGTTCTAGGAGGTCAATTCCATGATTATGGCTTGTTAACAACACCCCAG
CTGCACTACATGGTGTATTGTCGAAACACGGGTGGCCGATATGGAAAGGCAACTATAGAAGGTTACTAC
CAGAAACTCTCTAAGGCTTTTGTGGAACTCACCAAACAGGCTTCTTGCAGTGGAGATGAATACAGATCA
CTTAAGGTTGACTGTGCAAATGGCATAGGGGCCCTGAAGCTAAGGGAAATGGAACACTACTTCTCACAG
GGCCTGTCAGTTCAGCTGTTTAATGATGGGTCCAAGGGCAAACTCAATCATTTATGTGGAGCTGACTTT
GTGAAAAGTCATCAGAAACCTCCACAGGGAATGGAAATTAAGTCCAATGAAAGATGCTGTTCTTTTGAT
GGAGATGCAGACAGAATTGTTTATTACTACCATGATGCAGATGGCCACTTTCATCTCATAGATGGAGAC
AAGATAGCAACGTTAATTAGCAGTTTCCTTAAAGAGCTCCTGGTGGAGATTGGAGAAAGTTTGAATATT
GGTGTTGTACAAACTGCATATGCAAATGGAAGTTCAACACGGTATCTTGAAGAAGTTATGAAGGTACCT
GTCTATTGCACTAAGACTGGTGTAAAACATTTGCACCACAAGGCTCAAGAGTTTGACATTGGAGTTTAT
TTTGAAGCAAATGGGCATGGCACTGCACTGTTTAGTACAGCTGTTGAAATGAAGATAAAACAATCAGCA
GAACAACTGGAAGATAAGAAAAGAAAAGCTGCTAAGATGCTTGAAAACATTATTGACTTGTTTAACCAG
GCAGCTGGTGATGCTATTTCTGACATGCTGGTGATTGAAGCAATCTTGGCTCTGAAGGGCTTGACTGTA
CAACAGTGGGATGCTCTCTATACAGATCTTCCAAACAGACAACTTAAAGTTCAGGTTGCAGACAGGAGA
GTTATTAGCACTACCGATGCTGAAAGACAAGCAGTTACACCCCCAGGATTACAGGAGGCAATCAATGAC
CTGGTGAAGAAGTACAAGCTTTCTCGAGCTTTTGTCCGGCCCTCTGGTACAGAAGATGTCGTCCGAGTA
TATGCAGAAGCAGACTCACAAGAAAGTGCAGATCACCTTGCACATGAAGTGAGCTTGGCAGTATTTCAG
CTGGCTGGAGGAATTGGAGAAAGGCCCCAACCAGGTTATAAAGCAGCAGAGACAACACACAACATCAAC
AATGCATTTGGCCCAGGAACTGCTAATGAACATACAGTGCCGTGA

Restriction Sites: SgfI-MluI

ACCN: NM_001199919

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Insert Size:	1701 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:	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_001199919.1
RefSeq Size:	2092 bp
RefSeq ORF:	1701 bp
Locus ID:	5238
UniProt ID:	O95394
Cytogenetics:	6q14.1
Protein Pathways:	Amino sugar and nucleotide sugar metabolism
MW:	62.3 kDa
Gene Summary:	This gene encodes a member of the phosphohexose mutase family. The encoded protein mediates both glycogen formation and utilization by catalyzing the interconversion of glucose-1-phosphate and glucose-6-phosphate. A non-synonymous single nucleotide polymorphism in this gene may play a role in resistance to diabetic nephropathy and neuropathy. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2010] Transcript Variant: This variant (4) differs in the 5' and 3' UTRs and has multiple coding region differences, compared to variant 1. These differences cause translation initiation at a downstream AUG and result in a shorter isoform (4) with distinct N- and C-termini, compared to isoform 1.