

Product datasheet for **SC329593**

PGM3 (NM_001199917) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PGM3 (NM_001199917) Human Untagged Clone
Tag: Tag Free
Symbol: PGM3
Synonyms: AGM1; IMD23; PAGM; PGM 3
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC329593 representing NM_001199917.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

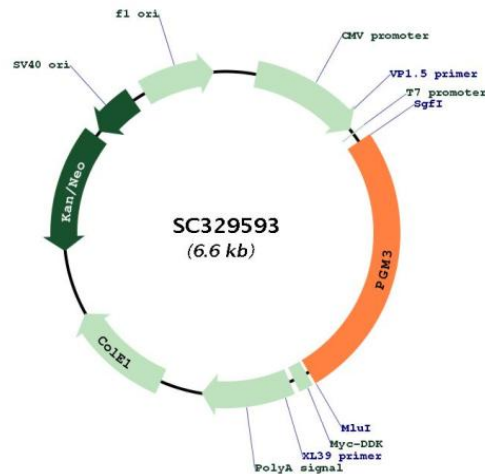
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001199917

Insert Size: 1713 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_001199917.1](#)

RefSeq Size: 6243 bp

RefSeq ORF: 1713 bp

Locus ID: 5238

UniProt ID: [O95394](#)

Cytogenetics: 6q14.1

Protein Pathways: Amino sugar and nucleotide sugar metabolism

MW: 62.9 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 (1) encodes the longest isoform (1). Variants 1 and 6 encode the same isoform. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.