

Product datasheet for **RC201522L4V**

PGM3 (NM_015599) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PGM3 (NM_015599) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PGM3
Synonyms:	AGM1; IMD23; PAGM; PGM 3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_015599
ORF Size:	1626 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201522).
OTI Disclaimer:	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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_015599.1
RefSeq Size:	6107 bp
RefSeq ORF:	1629 bp
Locus ID:	5238
UniProt ID:	O95394
Cytogenetics:	6q14.1
Domains:	PGM_PMM, PGM_PMM_I
Protein Pathways:	Amino sugar and nucleotide sugar metabolism



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MW: 59.9 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]