

## Product datasheet for MC205229

### Pgm2l1 (NM\_027629) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pgm2l1 (NM_027629) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pgm2l1
Synonyms:	4931406N15Rik; AI553438; BM32A
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC076571

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GAGCTAGTCTGCTGGGAGCGGCTGTCTGCTCCGCCCTCTCTCCGGTTCGCTGGAGCTGCGGCAGGA
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GCAGCCAGCCAAATAAGAAATCAGTACTGCCTGTGAGTAAAAACAGCCAAATGATTACATTTACCTTCCA  
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 AAAAAAAAAAAAAAAAAA

**Restriction Sites:**

Ascl-NotI

**ACCN:**

NM\_027629

**Insert Size:**

1866 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:** [BC076571](#), [AAH76571](#)

**RefSeq Size:** 4080 bp

**RefSeq ORF:** 1866 bp

**Locus ID:** 70974

**UniProt ID:** [Q8CAA7](#)

**Cytogenetics:** 7 E2

**Gene Summary:** Glucose 1,6-bisphosphate synthase using 1,3-bisphosphoglycerate as a phosphate donor and a series of 1-phosphate sugars as acceptors, including glucose 1-phosphate, mannose 1-phosphate, ribose 1-phosphate and deoxyribose 1-phosphate. 5 or 6-phosphosugars are bad substrates, with the exception of glucose 6-phosphate. Also synthesizes ribose 1,5-bisphosphate. Has only low phosphopentomutase and phosphoglucomutase activities (By similarity).[UniProtKB/Swiss-Prot Function]