

Product datasheet for **MC216702**

Pgd (NM_001081274) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pgd (NM_001081274) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pgd
Synonyms:	0610042A05Rik; AU019875; C78335
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216702 representing NM_001081274
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCCAAGCTGACATTGCACTGATCGGACTGGCTGTATGGGCCAGAACTTAATTTTGAACATGAATG
ATCATGGATTTGGTCTGTGCTTTCAATAGGACAGTCTCCAAAGTCGATGACTTCTGGCCAACGAGGC
GAAGGGCACCAAGGTGGTTGGTGACAGTCCTTAAGGACATGGTCTCCAAACTAAAGAAGCCCGCCGG
GTCATCTGCTTGTGAAGGCCGGCAAGCCGTGGATGATTTTCATCGAGAAATTAGTACCCTTGTGGACA
CGGGTGACATCATCATCGATGGAGGAAATCTGAATACCGGGACACGACAAGAAGATGCCGGGACCTCAA
GGCCAAGGGCATCTTGTGGGGAGCGGAGTCACTGGTGGTGAAGGAGGGCTCGGTACGGGCCGTCA
CTCATGCCAGGAGGGAACAAAGAGGCTTGGCCCCACATCAAGGCGATCTCCAAGCCATCGTGC AAAAG
TGGGAACCGGAGAACCCTGCTGTGACTGGGTGGGAGATGAGGGGGCGGGCCTTTGTGAAGATGGTGCA
CAACGGGATAGAGTATGGAGACATGCAGCTCATCTGTGAGGCTTACCATTGATGAAGGATGTTCTGGGC
ATGCGGCATGAGGAGATGGCTCAGGCATTTGAAGAATGGAACAAGACAGAGCTGGACTCATTCTGATTG
AAATCACTGTAAACATTCTCAAGTACCGGGACACTGACGGCAAAGAGCTGTTGCCAAAGATCCGGGACAG
TGCTGGGCAGAAAGGGCACTGGGAAGTGGACCGCCATCTCGGCGCTGGAGTACGGCATGCCCGTACCCTC
ATTGGAGAAGCTGTCTTGTCTCGGTGCTTGTCTCTCTGAAGGAGGAGCGGGTTCAGGCCAGCCAAAAGC
TGAAGGGTCTAAGGTGGTCCAGCTGGAAGGCAGTAAGAAGTCATTCTGGAGGACATCCGTAAGGCCCT
CTATGCTTCCAAGATCATCTCTACGCCAAGGCTTTATGCTGCTCAGACAGGCAGCCACTGAGTTTGGC
TGGACCCTCAATTATGGCGGCATTGCCCTGATGTGGAGAGGGGGTGCATCATCCGAAGTGTGTTCTGG
GAAAAATTAAGATGCATTTGAGCGAAACCCAGAACTTCAGAACCTACTGCTAGATGACTTCTTTAAGTC
AGCAGTTGACAACCTGCCAGGACTCTGGCGCGGGTGTATCAGCACTGGGGTGAAGCAGGCATTCCCATG
CCCTGTTCACTACTGCCCTCTCTTCTATGATGGGTACAGACACGAGATGCTGCCAGCAAACCTCATCC
AGGCTCAACGGGATTACTTTGGGGCTCACACCTATGAACTCTTAACCAAACCGGGAGAATTTATCCACAC
CAACTGGACGGGCCACGGGGCAGTGTGCATCTCTTACATAAATGCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001081274

Insert Size: 1452 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_001081274.1](#), [NP_001074743.1](#)
RefSeq Size: 2224 bp
RefSeq ORF: 1452 bp
Locus ID: 110208
UniProt ID: [Q9DCD0](#)
Cytogenetics: 4 78.96 cM
Gene Summary: Catalyzes the oxidative decarboxylation of 6-phosphogluconate to ribulose 5-phosphate and CO(2), with concomitant reduction of NADP to NADPH.[UniProtKB/Swiss-Prot Function]