

## Product datasheet for **MC207285**

### Gpd1 (NM\_010271) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gpd1 (NM\_010271) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Gpd1  
**Synonyms:** A1747587; Gdc-1; Gdc1; mKIAA4010  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC207285 representing NM\_010271  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCTGGCAAGAAAGTCTGCATTGTGGCTCTGGCAACTGGGGCTCAGCCATTGCCAAGATCGTGGGTA  
GCAATGCAGGCCGGCTGGCACACTTTGACCACGGGTGACCATGTGGGTGTTTGAGGAAGACATCGGGG  
CAGAAAGCTAACTGAGATCATCAACTCAGCAGAGAATGTTAAATACCTGCCAGGGCACAAGCTGCC  
CCAATGTGGTGGCCATCCAGACGTGGTCCAGGCTGCAACAGGCGCTGACATCCTGGTTTTTGTGGTAC  
CCCATCAGTTCATTGGCAAGATCTGTGACCAGCTCAAGGGCCACTGAAGGCCAATACTATTGGCATATC  
TCTTATTAAGGGGTAGACGAGGGCCCCAACGGGCTGAAGCTCATTCTGAAGTGATTGGGGAGCGCCTT  
GGCATTCCCATGAGCGTGCTGATGGGGGCAACATTGCCAGCGAGGTGGCTGAGGAGAAGTTCTGTGAGA  
CGACCATCGGCTGCAAGGACCCGGCCAGGGACAGCTCCTGAAGGACCTGATGCAGACACCAACTTTCG  
CATCACTGTGGTACAAGAGGTGGACACAGTGGAGATCTGTGGGCCTTGAAGAATATAGTGGCCGTTGGG  
GCTGGCTTCTGTGATGGCTTGGCTTCGGTGACAACACCAAGGCGCGGTGATCCGGTTGGGGCTCATGG  
AGATGATCGCCTTCGCCAAGCTCTCTGCAGTGGCACTGTCTCCTCGCCACCTTCTGGAGAGCTGCGG  
GGTCGCAGACCTCATCAGACCTGCTATGGGGGCGGAACCGCAAGGTGGCAGAGGCCTTTGCTCGAAT  
GGAAAGTCCATTGAGCAGCTGGAGAAGGAGATGCTAAATGGGCAGAAGCTACAGGGGCCAGACAGCCC  
GGGAGCTGCACAGCATTCTCCAACAAGGGCCTTGTGGACAAGTTCCCTTGTTCAGTGCAGGTGTACAA  
AGTGTGCTATGAGGGCCAGCCAGTGGGCGAATTCATCCGCTGTCTGCAGAACCACCCGGAACACATGTGA

**ACGGT**ACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_010271



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<b>Insert Size:</b>	1050 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_010271.2</a></u> , <u><a href="#">NP_034401.1</a></u>
<b>RefSeq Size:</b>	2809 bp
<b>RefSeq ORF:</b>	1050 bp
<b>Locus ID:</b>	14555
<b>UniProt ID:</b>	<u><a href="#">P13707</a></u>
<b>Cytogenetics:</b>	15 56.13 cM
<b>Gene Summary:</b>	Has glycerol-3-phosphate dehydrogenase activity.[UniProtKB/Swiss-Prot Function]