

## Product datasheet for **RR216450**

### Gpd1l (NM\_001191885) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gpd1l (NM\_001191885) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Gpd1l  
**Synonyms:** RGD1560123  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR216450 representing NM\_001191885  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCAGCGGCGCCTCTGAAAGTGTGCATCGTGGGCTCCGGAACTGGGGATCAGCTGTTGCAAAAATCA  
TCGGAAGCAATGTGAAGAACCTGCAGAAGTTCTCTCCACGGTCAAGATGTGGGTCTTCAAGAGACTGT  
GAACGGGAGGAAGTTGACAGACATCATCAACAATGACCACGAAAATGTGAAATATCTCCCGGACACAAG  
CTACCAGAAAATGTGGTCGCTGTCCCAAATCTCGGCGAAGCCGTGCAGGACGCAGACCTGTTGGTGTTCG  
TTATCCCCCACCAGTTTATTACAAAGATCTGCGATGAGATCACGGGCAGGGTGCCCAAGAAGGCCGTGGG  
AATCACCCCTCATCAAGGGTATAGATGAGGGCCCGGACGGGCTGAAGCTCATCTCCGACATCATCCGGGAG  
AAGATGGGGATTGACATCAGTGTGCTGATGGGGGCCAACATCGCCAGCGAGGTGCTGCGGAGAAGTTCT  
GCGAGACCACCATTTGGCAGCAAAGTGTTCGAGAACGGCCTTCTCTTCAAAGAGCTGCTGCAGACGCCAA  
TTTCAGAATCACGGTGGTGGATGATGCAGACACCGTGAAGCTCTGCGGTGCTCTTAAGAATTGTTGCT  
GTGGGAGCCGGCTTCTGCGATGGCCTCTGCTGTGGGACAACACCAAGGCAGCCGTATCCGCTGGGCC  
TCATGAAATGATCGCTTTCGCAAGATCTTCTGTAAGGGCCAGGTGTCCACGGCCACCTCTTGGAGAG  
CTGCGGGGTGGCCGACCTCATCACCTGCTACGGAGGGCGGAACCGCAAGGTGGCAGAAGCCTTCGCC  
AGGACCGGGAAGACCATCGAAGAGCTGGAGAAGGAGCTGCTGAACGGACAGAAGCTCCAGGGACCTCAGA  
CCTCTGCGGAGGTGTACCGCATCTCAAGCAGAAGGGGCTGCTGGACAAGTTTCCCTCTTCACTGCCGT  
GTATCAGATCTGCTATGAAGGCAGACCTGTACCCAGATGCTGTCTGCTGCAGAGCCACCCGGAGCAC  
ATC

**ACGCGT**ACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR216450 representing NM\_001191885  
 Red=Cloning site Green=Tags(s)

MAAAPLKVCIVGSGNWGS AVAKIIGSNVKNLQKFSSTVKMWVFEETVNGRKLTDIINNDHENVKYLPGHK  
 LPENVVAVPNLGEAVQDADLLVFVIPHQFIHKICDEITGRVPPKAVGITLIKIDEGPDGLKLISDIIRE  
 KMGIDISVLMGANIASEVAAEKFCETTIGSKVLQNGLLFKELLQTPNFRI TVVDDADTVELCGALKNIVA  
 VGAGFCDGLCCGDNTKAAVIRLGLMEMIAFAKIFCKGQVSTATFLESCGVADLITTCYGGRRNKVAEFA  
 RTGKTIEELEKELLNGQKLQGPQTS AEVYRILKQKGLLDKFP LFTAVYQICYEGRPVTQMLSCLQSHPEH  
 I

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

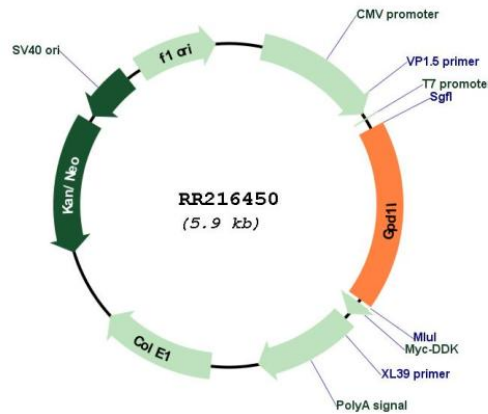
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001191885

<b>ORF Size:</b>	1053 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001191885.1</a> , <a href="#">NP_001178814.1</a>
<b>RefSeq Size:</b>	1261 bp
<b>RefSeq ORF:</b>	1056 bp
<b>Locus ID:</b>	363159
<b>Cytogenetics:</b>	8q32
<b>MW:</b>	38.1 kDa