

Product datasheet for **RN206031**

Gpld1 (NM_001100512) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpld1 (NM_001100512) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gpld1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN206031 representing NM_001100512
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCTGTAGGCAGGCTGTGGTCTGGCCTGCTGCTCCTGTGCTTTTTTCTGCTCTAGAAGTTCATCTT
 GTGGTCTCTCAACACATGTAGAAATAGGACACAGGGCTCTGCAGTTCCTTCAGCTTCAAGATGGACGCAT
 TAACTACAAAGAGCTGCTCTTAGAACACAGGATGCATATCAGGCAGGGACGGTGTTCCTGATGCCTTT
 TACCCTAGCATCTGCAAACAAGGAAAATCCATGAAGTGTCTGAGAGTACTCACTGGACTCCATTCTTA
 ATGCCAGATTCATTATATTCGGGAGAAGTACCCTCTGCCCTGGGAGAAGGACACAGAGAAGTTGGTGGC
 TTTCTTGTGGAGTACCTCCACATGGTCGCTGATGTCAGCTGGCACAGCCTGGGTATTGAACAAGGG
 TTCCTCAGGACAATGGGAGCTATTGATTTTTACGACTCTATTCTGAGGCTATTTCGGCTGGTATTTG
 GAGGAGATGTGTTGAGCCAGTTGAATTTAATTTAATTACCTCTCACGGCGCTGGTACGTGCCATCCA
 AGATCTTCTGAGAATTTATGATAATCTCTACGGTCGGAAAGTATCACCAAGAATGTCATTGTTGATTGC
 ACATACCTTCAGTTCCTGGAAATGCACGGGGAGATGCTAGCTGTTTCCAAGCTCTATTCCACATACTCTA
 CGAAGTCCCCATTTCTGGTGAACAGTTCGAAGACTATTTCTCGGAGGTCTAGATGACATGGCCTTCTG
 GTCCACGAACATTTACCGTTTGACCAGCTTTATGCTGGAGAACGGGACCAGTGAAGTGCACAAAAATG
 ATTTTCACAGGAATTTGACCATGTTTATAAGTAAAGACATCAGGAAAACTCAACTACACAGAAAGAGG
 CGTGTTCACAGCACAGGCTCCTGGGCCCGGAATCCGTAACCTTTATGTACCAGACTCTGGAGAGGAAC
 CTGAGGATGATGTTTACTGGCAACTCTCAGACAGCTCTGAAGCATGTCTCCAGTCCCTCTGCCTCTACA
 CCCTGTCTGTCCCCTATGCCAGGCTCGGCTGGTTCATGGCCTCAGCTGACCTCAACCAGGATGGGCAGG
 CGACTCTGTGGTGGTGCACAGGCTACAGCCACCCTGGCCGCTTCCAGATCGGGCGGGTGTACATCATC
 TATGGCAATGATTTGGGCTGCCCCCATCGACCTGGACTTAGACAAGGAGGCTCATGGGCTCTGGAGG
 GCTTCCAGCCTTCAGGTCGCTTTGGCTCAGCTTTGGCAGTGTGGACTTCAACAAGGATGGGCTGCCTGA
 TCTGGCTGTGGGTGCTCCCTCCGTGGGCTCAGGGCAGCTCACCTACAATGGCTCTGTGTATGTCTACTAT
 GGTTCACAGCAAGGGAGGTTGTCTTCTCCCTAACATCACCATCTCTGCAAGGACACCTACTGTAATT
 TGGGCTGGGCTCTCTTGGCAGCAGACGCAGATGGAGATGGCCAGCATGATCTGGTATCAGTTCACCTTT
 TGCACCAGGTGGAGGGAAGCAGAGAGGAATTGTGGCTGCCTTTTATTCACACCCAGACGGAACGACAAA
 GAGTCACTGACTTTGGACGAAGTGAAGGTGAACGGGAGGAGGACTTCTCATGGTTTGGATACT
 CCCTTCATGGGGTACAGTGGCAAACAGAAGCCTGCTGCTGATTGGGAGCCCGACCTGGAAGAATATCAG
 CAGGATGGCAGCTCAAGCCACCAAAAAGAACCAAGAGAAAAAGAGCCTGGGAAGGGTGTATGGCTACTTC
 CCCCCAACCCGGCAGAGGGAAATCACTATCTCGGGAGATAAGGCAATGGGAAAGCTGGGTACATCCCTGT
 CCAGTGGTTATGTGAGGGTGAATGGCACCTAACCCAAGTCTGCTGGTTGGAGCCCTACTCATGATGA
 CGTGTCTAAAATGGCATTCTAACCATGACCCTGCACCAGGTGGAGCCACTCGGATGTACGAGCTAGCC
 CCTGAGAAGACACAGCCTGCTCTGCTCAGCACCTTCAGCGGAGACCGACGTTTTTCTCGATTTGGTAGTG
 TTCTACACCTGACAGACCTGGATGACGATGGCTTAGATGAAATCATCATGGCTGCCCCACTGAGGATAAC
 AGATGTCACCTTCTGGACTGCTTGGGGGAGAAGATGGGCGAGTGTACATTTATAATGGCATGCATACCACC
 TTAGGTGATGTGACAGGCAAAATGCAAGTCTGGATGACTCCATGTCCAGAGGAGAAGGCCAGTATGTGC
 TAATTTCTCCAGAGGCAAGTTCAAGTTTTGGGAGCTCACTGGTGTCTGTGCGGTCTAAGGAAAGGAACCA
 AGTGGTCGTTGCTGCTGGAAGGAGTTCTTGGGAGCCCGCTCTCTGGGCACTTACGCTACAGCTTC
 AGCTCAGATTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001100512
Insert Size: 2532 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:	<ol style="list-style-type: none">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:	<u>NM_001100512.1</u> , <u>NP_001093982.1</u>
RefSeq Size:	3212 bp
RefSeq ORF:	2532 bp
Locus ID:	291132
UniProt ID:	<u>Q8R2H5</u>
Cytogenetics:	17p11
Gene Summary:	an enzyme that is involved in insulin signaling pathways and is regulated by insulin [RGD, Feb 2006]