

Product datasheet for **SC100795**

GPD1L (NM_015141) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPD1L (NM_015141) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPD1L
Synonyms:	GPD1-L
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100795 sequence for NM_015141 edited (data generated by NextGen Sequencing)

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ATGGCAGCGGCCCCCTGAAAGTGTGCATCGTGGGCTCGGGGAAGTGGGGTTCAGCTGTT
GCAAAAATAATTGGTAATAATGTCAAGAACTTCAGAAATTTGCCTCCACAGTCAAGATG
TGGGTCTTTGAAGAAACAGTGAATGGCAGAAAAGTACAGACATCATAAATAATGACCAT
GAAAATGTAAAATATCTTCTGGACACAAGCTGCCAGAAAATGTGGTTGCCATGTCAAAT
CTTAGCGAGGCTGTGCAGGATGCAGACCTGCTGGTGTGGTTCATTCCCCACAGTTCATT
CACAGAACTGTGATGAGATCACTGGGAGAGTGCCCAAGAAAGCGCTGGGAATCACCCCTC
ATCAAGGGCATAGACGAGGGCCCCGAGGGGCTGAAGCTCATTTCTGACATCATCCGTGAG
AAGATGGGTATTGACATCAGTGTGCTGATGGGAGCCAACATTGCCAATGAGGTGGCTGCA
GAGAAGTTCTGTGAGACCACCATCGGCAGCAAAGTAATGGAGAACGGCCTTCTCTTCAA
GAACTTCTGCAGACTCCAAATTTTCGAATTACCGTGGTTGATGATGCAGACACTGTTGAA
CTCTGTGGTGCCTTAAGAACATCGTAGCTGTGGGAGCTGGGTTCTGCGACGGCCTCCGC
TGTGGAGACAACACCAAAGCGGCCGTCATCCGCCTGGGACTCATGGAAATGATTGCTTTT
GCCAGGATCTTCTGCAAAGGCCAAGTGTCTACAGCCACCTTCTAGAGAGCTGCGGGGTG
GCCGACCTGATCACCACCTGTTACGGAGGGCGGAACCGCAGGGTGGCCGAGGCCTTCGCC
AGAAGTGGGAAGACCATTGAAGAGTTGGAGAAGGAGATGCTGAATGGGCAAAAGTCCAA
GGACCGCAGACTTCTGCTGAAGTGTACCGCATCCTCAAACAGAAGGGACTACTGGACAAG
TTTCCATTGTTTACTGCAAGTGTATCAGATCTGCTACGAAAGCAGACCAGTTCAAGAGATG
TTGTCTTGTCTTCAGAGCCATCCAGAGCATACTAA
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Clone variation with respect to NM_015141.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_015141 unedited TTCAAATTTTGTAAACGACTTCACTATAGGGCGGCCGCGATTCCGGCACGAGGCAGGCGG CTACATTCGGCCCCGGCCATGGCAGCGGCCCCCTGAAAGTGTGCATCGTGGGCTCGGGGA ACTGGGTTTCAGCTGTTGCAAAAATAATTGGTAATAATGTCAAGAACTTCAGAAATTTG CCTCCACAGTCAAGATGTGGGTCTTTGAAGAAACAGTGAATGGCAGAAAACGACAGACA TCATAAATAATGACCATGAAAATGTAATAATCTTCTGGACACAAGCTGCCAGAAAATG TGGTTGCCATGTCAAATCTTAGCGAGGCTGTGCAGGATGCAGACCTGCTGGTGTTCATCA TTCCCCACAGTTCATTACAGAATCTGTGATGAGATCACTGGGAGAGTGCCCAAGAAAG CGCTGGGAATCACCCCTATCAAGGGCATAGACGAGGGCCCCGAGGGGCTGAAGCTCATT CTGACATCATCCGTGAGAAGATGGGTATTGACATCAGTGTCTGATGGGAGCCAACATTG CCAATGAGGTGGCTGCAGAGAAGTTCTGTGAGACCACCATCGGCAGCAAAGTAATGGAGA ACGGCCTTCTCTCAAAGAACTTCTGCAGACTCCAAATTTTGAATTACCGTGGTTGATG ATGCAGACACTGTTGAACTCTGTGGTGCCTTAGAACATCGTAGCTGTGGGAGCTGGGT CTGCGACGGCCTNCGCTGTGGAGACACACCAAAGCNGNCGTCATCCGCCTGGGACTCATG GNAATGATTGCTNTTGCACAGATCTTCTGCAAGGCCAAGTGTCTACAGCCACCTTNTAG AAGCTGCNNGTGGCCGACCTGATCACCACCTGTACNGAGGGCNGNACCCGAGGNNTGCC CGAGCCTTCGNCAGAAGTGAAGACATTNGANAGTNGAGAAGAGATGCTGATGGNCAAA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_015141 unedited ATGAACCGGGCGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTAGGGGTTAA TGTTTTATAAATCAAGCTTTTAAATTATATCCACCTACAGTCTATAAACAATATAGT ACACATGTATGAAAAGGCTAGCAGATAAGAACCAGTGGAAAACTAAAGTTCCCTTTGC ACACCGGCACCTCATCACAACACCCTCTTGGTGTGGATGCCATGGGGCCATGCTGTAGTC AAAAGTTAAATGAAAACCACAAGTTTAGTTTACTCCGTCTCCTAGGGTGGATTTCATT CAGATATTTGTTCCATATTACAGGAGGGTGGATCCTAGCAAGGCAACAGTGTAGTTTTTA CATTACAGATTGGCTGAAGTAGTACAAATTGAGCTGCTAATCTAGGTGTCTCCCTCCCT GTTACCATACTTCATAAGAAATGTGAATTAATAAATGAACAATGGACCACAGGTGGTTATAA AAATAGATAACTCGCAGGGTCATAAATATCTACAGTTAGTAGAGCAGAACTTCTAAAAT TTACCTTTTTCCATAATGTGCAGAAATCCTAAGTATGTTCAAGAGACACAGTCAGCAGA CTTCAGAGTGGTAATTACAAGGGCATTGTAAAGAAATAACACTCGAGTACAACCCAGA GTAAGAAGCTGAATGCAGATGAAAATACGCAAAACACGCAAAGTTCCAACCTCCTCACATC TATTATGCTACTTACTAGACACACAATTAGCTTACAGCCCTTTATATATCTTTTTAAAGT AACTTTTTGTACCTGTGTACAANNCTTACAAAGATTTTTTCATGAGACAAGCAAAGTGGG TTAATGGGTGGCGCTAAAACCTGCTGAAACTGGNAGTGTGTTGGGTGCTTTCGATACCTCT GTGNATGGGGCTTTAAAATGCTCCAAATGTTTTGGATAGAGTTTTTAAAATCCATGAAAT CTATTTATATCATTNCAGGATAAG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_015141
Insert Size:	4400 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:	NM_015141.2 , NP_055956.1
RefSeq Size:	3954 bp
RefSeq ORF:	1056 bp
Locus ID:	23171
UniProt ID:	Q8N335
Cytogenetics:	3p22.3
Domains:	NAD_Gly3P_dh
Protein Pathways:	Glycerophospholipid metabolism
Gene Summary:	The protein encoded by this gene catalyzes the conversion of sn-glycerol 3-phosphate to glycerone phosphate. The encoded protein is found in the cytoplasm, associated with the plasma membrane, where it binds the sodium channel, voltage-gated, type V, alpha subunit (SCN5A). Defects in this gene are a cause of Brugada syndrome type 2 (BRS2) as well as sudden infant death syndrome (SIDS). [provided by RefSeq, Jul 2010]