

## Product datasheet for **SC307100**

### GPLD1 (NM\_177483) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** GPLD1 (NM\_177483) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** GPLD1  
**Synonyms:** GPIPLD; GPIPLDM; MGC22590; PIGPLD; PIGPLD1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >SC307100 representing NM\_177483.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCTGCTTTCAGGTTGTGGCCTGGCCTGCTGATCATGTTGGGTTCTCTCTGCCATAGAGGTTCCACCG
TGTGGCCTTTCACACACGTAGAAATAGGACACAGAGCTCTGGAGTTTCTTCAGCTTCACAATGGGCGT
GTTAACTACAGAGAGCTGTTACTAGAACACCAGGATGCGTATCAGGCTGGAATCGTGTTCCTGATTGT
TTTTACCTAGCATCTGCAAAGGAGGAAAATCCATGATGTGTCTGAGAGCACTCACTGGACTCCGTTT
CTTAATGCAAGCGTTTATTATATCCGAGAGAACTATCCCCTTCCCTGGGAGAAGGACACAGAAAAGT
GTAGCTTTCTTGTGGAAATTCTCTCATGCGCGCAGATGTCAGCTGGCATAGTCTGGCCTTGAA
CAAGGATTCCTTAGGACCATGGGAGCTATTGATTTTCACGGCTCCTATTCAGAGGCTCATTGGGCTGGT
GATTTTGGTACTGTTTATTACATTTGCTAAATTTTCTCGTGGA TAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

**Restriction Sites:** Sgfl-Mlul

**Plasmid Map:** □

**ACCN:** NM\_177483

**Insert Size:** 531 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).



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<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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_177483.1</a></u>
<b>RefSeq Size:</b>	1096 bp
<b>RefSeq ORF:</b>	531 bp
<b>Locus ID:</b>	2822
<b>Cytogenetics:</b>	6p22.3
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis
<b>MW:</b>	19.9 kDa
<b>Gene Summary:</b>	<p>Many proteins are tethered to the extracellular face of eukaryotic plasma membranes by a glycosylphosphatidylinositol (GPI) anchor. The GPI-anchor is a glycolipid found on many blood cells. The protein encoded by this gene is a GPI degrading enzyme.</p> <p>Glycosylphosphatidylinositol specific phospholipase D1 hydrolyzes the inositol phosphate linkage in proteins anchored by phosphatidylinositol glycans, thereby releasing the attached protein from the plasma membrane. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and uses an alternate splice site in the 3' coding region, compared to variant 1. This results in a protein (isoform 2) with a shorter C-terminus, compared to isoform 1.</p>