

Product datasheet for **RG217578**

GPLD1 (NM_001503) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPLD1 (NM_001503) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GPLD1
Synonyms:	GPIPLD; GPIPLDM; PIGPLD; PIGPLD1; PLD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG217578 representing NM_001503
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGGTCGCCATGGCCCGGGCAACGACGGCGACAGGAAACAGGTTGTGGCCTGGCCTGCTGATCATGT
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 GCACTTACGCTATAGCCTTGGCTCAGAT

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG217578 representing NM_001503
 Red=Cloning site Green=Tags(s)

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MQVAMARATTATGNRLWPGLLIMLGSLCHRGSPLSTHVEIGHRALEFLQLHNGRVNYRELLLEHQDAY
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VITENVI VDCSHIQFLEMYGEMLA VSKLYPTYSTKSPFLVEQFQEYFLGGLDDMAFWSTNIYHLTSFMLE
NGTSDCNLPENPLFIACGGQQNHTQGSKMQKND FHRNLTTSLTESVDRNIN YTERGVFFSVNSWTPDSMS
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ALHVYSLGSD
  
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TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Reconstitution Method:

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_001503.2](#), [NP_001494.2](#)

RefSeq Size: 3489 bp

RefSeq ORF: 2523 bp

Locus ID: 2822

UniProt ID: [P80108](#)

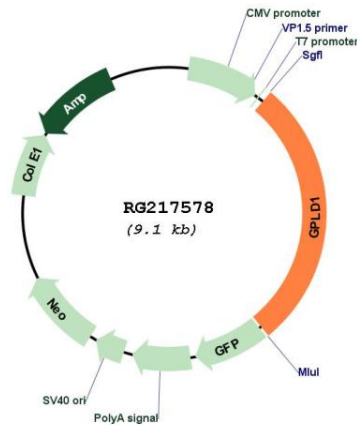
Cytogenetics: 6p22.3

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Glycosylphosphatidylinositol(GPI)-anchor biosynthesis

Gene Summary: 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. 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]

Product images:



Circular map for RG217578