

## Product datasheet for **TP317578M**

### GPLD1 (NM\_001503) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human glycosylphosphatidylinositol specific phospholipase D1 (GPLD1), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217578 representing NM_001503 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MSAFRLWPGLLIMLGS LCHRGS PCLSTHVEIGHRALEFLQLHNGRVNYRELLLEHQDAYQAGIVFPDCF  
YPSICKGGKFHDVSESTHWTPFLNASVHYIRENYPLPWEKDTEKLVAFLEGITSHMAADVSWHSLGLEQG  
FLRTMGAIDFHGSYSEAH SAGDFGGDVLSQFEFNFNYLARRWYVPVKDLLGIYEKLYGRKVITENVIVDC  
SHIQFLEMYGEMLA VSKLYPTYSTKSPFLVEQFQEYFLGGLDDMAFWSTNIYHLTSFMLENGTSDCNLPE  
NPLFIACGGQQNHTQGS KMQKND FHRNLTTSLTESVDRNIN YTERGVFFSVNSWTPD SMSFIYKALERNI  
RTMFIGGSQLSQKHVSSPLASYFLSFPYARLGWAMTSADLNQDGHGDLVVGAPGYSRPGHIHIGRVYLIY  
GNDLGLPPVDL DLDKEAHRILEGFQPSGRFGSALAVLDFNVDGVPDLAVGAPSVGSEQLTYKGAVVYVFG  
SKQGGMSSSPNITISCQDIYCNL GWTLAADVNGDSEPDLVIGSPFAPGGGKQKGIVAAAFYSGPSLSDKE  
KLNVEAANWTVRGEEDFSWFGYSLHGVTVDNRTLLL VGSPTWKNASRLGHLLHIRDEKKS LGRVYGYFPP  
NGQSWFTISGDKAMGKLG TSLSSGHVLMNGTLKQVLLV GAPTYYDDVSKVAFLVT LHQGGATRM YALISD  
AQPLLLSTFSGDRRFSRFGGVLHLSDLDDDDLDEI IMAAPLRIADVTSGLIGGEDGRVYVYNGKETT LGD  
MTGKCKSWITPCPEEKAQYVLISPEASSRFGSSLITVRSKAKNQVIAAGRSSLGARLSGALHVYSLGSD

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

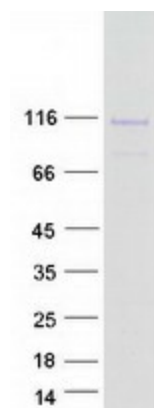
Tag:	C-Myc/DDK
Predicted MW:	89.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001494</a>
<b>Locus ID:</b>	2822
<b>UniProt ID:</b>	<a href="#">P80108</a>
<b>RefSeq Size:</b>	3489
<b>Cytogenetics:</b>	6p22.3
<b>RefSeq ORF:</b>	2520
<b>Synonyms:</b>	GPIPLD; GPIPLDM; PIGPLD; PIGPLD1; PLD
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis

### Product images:



Coomassie blue staining of purified GPLD1 protein (Cat# [TP317578]). The protein was produced from HEK293T cells transfected with GPLD1 cDNA clone (Cat# [RC217578]) using MegaTran 2.0 (Cat# [TT210002]).