

Recombinant Full Length Human GPLD1 Protein, C-Flag-tagged

Cat. No. GPLD1-419HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human GPLD1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	89.8 kDa
AA Sequence	MSAFRLWPGLLIMLGSLCHRGSPCGLSTHVEIGHRALEFLQLHNGRVNYRELLLEHQ DAYQAGIVFPDCF YPSICKGGKFHDVSESTHWTPFLNASVHYIRENYPLPWEKDTE KLVAFLFGITSHMAADVSWHSLGLEQG FLRTMGAIDFHGSYSEAHSAAGDFGGDVLS QFEFNFNYLARRWYVPVKDLLGIYEKLYGRKVITENVIVDC SHIQFLEMYGEMLAWS KLYPTYSTKSPFLVEQFQEYFLGGLDDMAFWSTNIYHLTSFMLENGTSDCNLPE NP LFIACGGQQNHTQGSKMQKNDHFHRNLTTSLTESVDRNINYTERGVFFSVNSWTPDS

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MSFIYKALERNI RTMFIGGSQLSQKHVSSPLASYFLSFPYARLGWAMTSADLNQDG
 HGDLVVGAPGYSRPGHIHIGRVYLIY GNDLGLPPVDLDDKEAHRILEGFQPSGRFG
 SALAVLDFNVDGVPDLAVGAPSVGSEQLTYKGAVVYVFG SKQGGMSSSPNITISCQ
 DIYCNLGWTLAADVNGDSEPDLVIGSPFAPGGGKQKGIVAAFYSGPSLSDKE KLN
 VEAANWTVRGEEDFSWFGYSLHGVTVDNRTLLLVGSPTWKNASRLGHLLHIRDEKK
 SLGRVYGYFPP NGQSWFTISGDKAMGKLGTSLSSGHVLMNGTLKQVLLVGAPTYD
 DVSKVAFLTVTLHQGGATRMALISD AQPLLSTFSGDRRFSRFGGVLHLSDLDDD
 GLDEIIMAAPLRIADVTSLGIGGEDGRVYVYNGKETTLDG MTGKCKSWITPCPEEKA
 QYVLISPEASSRFGSSLITVRSKAKNQVIAAGRSSLGARLSGALHVYSLGSDTRTRP
 LEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Secreted Protein
Protein Pathways	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis
Full Length	Full L.

GENE INFORMATION

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Gene Name	GPLD1 glycosylphosphatidylinositol specific phospholipase D1 [Homo sapiens (human)]
Official Symbol	GPLD1
Synonyms	PLD; GPIPLD; PIGPLD; GPIPLDM; PIGPLD1
Gene ID	2822
mRNA Refseq	NM_001503.4
Protein Refseq	NP_001494.2
MIM	602515
UniProt ID	P80108

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