

# Recombinant Human GPLD1

**Cat. No.** GPLD1-27985TH    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human GPLD1 Isoform 2 with N terminal proprietary tag; Predicted MW 45.47 kDa.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	176 amino acids
<b>Description</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.
<b>Molecular Weight</b>	45.470kDa inclusive of tags
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

**Sequences of amino acids**

MSAFRLWPGLLIMLGSLCHRGSPCGLSTHIEIGHRALEFL QLHNGRVNYRELLLEHQ  
 DAYQAGIVFPDCFYPSICKGGKF HDVSESTHWTPFLNASVHYIRENYPLPWEKDTE  
 KLVAFLF GITSHMAADVSWHSLGLEQGFLRTMGAIDFHGSYSEAHSA GDFGTVYLH  
 LLNFLVV

**Sequence Similarities**

Belongs to the GPLD1 family.Contains 7 FG-GAP repeats.

## GENE INFORMATION

**Gene Name**

GPLD1 glycosylphosphatidylinositol specific phospholipase D1 [ Homo sapiens ]

**Official Symbol**

GPLD1

**Synonyms**

GPLD1; glycosylphosphatidylinositol specific phospholipase D1; phosphatidylinositol-glycan-specific phospholipase D;

**Gene ID**

2822

**mRNA Refseq**

NM\_001503

**Protein Refseq**

NP\_001494

**MIM**

602515

**Uniprot ID**

P80108

**Chromosome Location**

6p22.1

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<b>Pathway</b>	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, organism-specific biosystem; Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, conserved biosystem;
<b>Function</b>	glycosylphosphatidylinositol phospholipase D activity; hydrolase activity; phospholipase D activity;

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