

Recombinant Human GPLD1

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

SPECIFICATION

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

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cycles.

Sequences of amino acids

MSAFRLWPGLLIMLGSLCHRGSPCGLSTHIEIGHRALEFL QLNHGRVNYRELLLEHQ
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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Pathway	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, organism-specific biosystem; Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, conserved biosystem;
Function	glycosylphosphatidylinositol phospholipase D activity; hydrolase activity; phospholipase D activity;

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