

# Recombinant Human GPLD1 cell lysate

**Cat. No.** GPLD1-735HCL    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <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>Size</b>           | 100 ul                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage Buffer</b> | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Applications</b>   | Western Blot;                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## GENE INFORMATION

|                        |                                                                                                                                                                       |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | GPLD1 glycosylphosphatidylinositol specific phospholipase D1 [ Homo sapiens ]                                                                                         |
| <b>Official Symbol</b> | GPLD1                                                                                                                                                                 |
| <b>Synonyms</b>        | GPLD1; glycosylphosphatidylinositol specific phospholipase D1; phosphatidylinositol-glycan-specific phospholipase D; GPI-PLD; PI-G PLD; GPI-specific phospholipase D; |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                            |                                                                                                                                                                                                                                            |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | glycoprotein phospholipase D; phospholipase D, phosphatidylinositol-glycan-specific; glycosylphosphatidylinositol specific phospholipase D1, isoform 2; GPIPLD; PIGPLD; GPIPLDM; PIGPLD1; MGC22590;                                        |
| <b>Gene ID</b>             | <a href="#">2822</a>                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>         | <a href="#">NM_001503</a>                                                                                                                                                                                                                  |
| <b>Protein Refseq</b>      | <a href="#">NP_001494</a>                                                                                                                                                                                                                  |
| <b>MIM</b>                 | <a href="#">602515</a>                                                                                                                                                                                                                     |
| <b>UniProt ID</b>          | <a href="#">P80108</a>                                                                                                                                                                                                                     |
| <b>Chromosome Location</b> | 6p22.1                                                                                                                                                                                                                                     |
| <b>Pathway</b>             | Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, organism-specific biosystem; Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, conserved biosystem;                                                                            |
| <b>Function</b>            | glycosylphosphatidylinositol phospholipase D activity; glycosylphosphatidylinositol phospholipase D activity; hydrolase activity; phospholipase C activity; phospholipase D activity; sodium channel regulator activity; zinc ion binding; |