

Recombinant Human GPLD1, His-tagged

Cat. No. GPLD1-13427H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GPLD1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-176a.a.
Description	Heterotrimeric guanine nucleotide-binding proteins (G proteins), which integrate signals between receptors and effector proteins, are composed of an alpha, a beta, and a gamma subunit. These subunits are encoded by families of related genes. This gene encodes a beta subunit. Beta subunits are important regulators of alpha subunits, as well as of certain signal transduction receptors and effectors. Alternatively spliced transcript variants encoding different isoforms exist.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name	GPLD1 glycosylphosphatidylinositol specific phospholipase D1 [Homo sapiens]
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Official Symbol	GPLD1
Synonyms	GPLD1; glycosylphosphatidylinositol specific phospholipase D1; phosphatidylinositol-glycan-specific phospholipase D; GPI-PLD; PI-G PLD; GPI-specific phospholipase D; glycoprotein phospholipase D; phospholipase D, phosphatidylinositol-glycan-specific; glycosylphosphatidylinositol specific phospholipase D1, isoform 2; GPIPLD; PIGPLD; GPIPLDM; PIGPLD1; MGC22590;
Gene ID	2822
mRNA Refseq	NM_001503
Protein Refseq	NP_001494
MIM	602515
UniProt ID	P80108
Chromosome Location	6p22.1
Pathway	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, organism-specific biosystem; Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, conserved biosystem;
Function	glycosylphosphatidylinositol phospholipase D activity; glycosylphosphatidylinositol phospholipase D activity; hydrolase activity; phospholipase C activity; phospholipase D activity; sodium channel regulator activity; zinc ion binding;