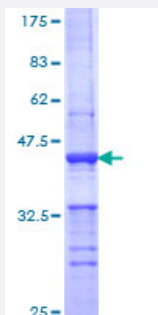


PLD1 (Human) Recombinant Protein (Q01)

Catalog # H00005337-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PLD1 partial ORF (NP_002653, 965 a.a. - 1074 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	GYLDDPSEDIQDPVSDKFFKEVWVSTAARNATYDKVFRCLPNDEVHNLQLRDFINKPVLAKEDPI RAEEELKKIRGFLVQFPFYFLSEESLLPSVGTKEAMPMEVWT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PLD1

Entrez GeneID [5337](#)

GeneBank Accession# [NM_002662](#)

Protein Accession# [NP_002653](#)

Gene Name PLD1

Gene Alias -

Gene Description phospholipase D1, phosphatidylcholine-specific

Omim ID [602382](#)

Gene Ontology [Hyperlink](#)

Gene Summary Phosphatidylcholine (PC)-specific phospholipases D (PLDs; EC 3.1.4.4) catalyze the hydrolysis of PC to produce phosphatidic acid and choline. A range of agonists acting through G protein-coupled receptors and receptor tyrosine kinases stimulate this hydrolysis. PC-specific PLD activity has been implicated in numerous cellular pathways, including signal transduction, membrane trafficking, and the regulation of mitosis (Hammond et al., 1995 [PubMed 8530346]).[supplied by OMIM]

Other Designations choline phosphatase 1|phospholipase D1, phosphatidylcholine-specific

Pathway

- [Endocytosis](#)
- [Ether lipid metabolism](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Glycerophospholipid metabolism](#)

- [GnRH signaling pathway](#)
- [Metabolic pathways](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Tobacco Use Disorder](#)