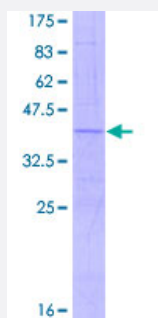


PLA2G12B (Human) Recombinant Protein (Q01)

Catalog # H00084647-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PLA2G12B partial ORF (NP_115951.2, 78 a.a. - 187 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	PGYKPQEPNGCGSYFLGLKVPESMDLGIPAMTKCCNQLDVCYDTGANKYRCDAKFRWCLHSIC SDLKRSLGFVSKVEAACDSLVDTVFNTVWTLGCRPFMNSQRAACIC
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (95); Rat (96)
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 — PLA2G12B

Entrez GeneID [84647](#)

GeneBank Accession# [NM_032562](#)

Protein Accession# [NP_115951.2](#)

Gene Name PLA2G12B

Gene Alias FKSG71, GXIIB, GXIIsPLA2, MGC138151, PLA2G13

Gene Description phospholipase A2, group XIIB

Omim ID [611653](#)

Gene Ontology [Hyperlink](#)

Gene Summary Phospholipase A2 (PLA2) enzymes catalyze hydrolysis of glycolipids to release free fatty acids and lysophospholipids. PLA2G12B belongs to the PLA2 family, but it is catalytically inactive due to an amino acid change in its active site and has altered phospholipid-binding properties (Rouault et al., 2003 [PubMed 14516201]).[supplied by OMIM]

Other Designations OTTHUMP00000019792|group XIII secreted phospholipase A2|phospholipase A2, group XIII

Pathway

- [alpha-Linolenic acid metabolism](#)
- [Arachidonic acid metabolism](#)
- [Ether lipid metabolism](#)
- [Fc epsilon RI signaling pathway](#)

- [Glycerophospholipid metabolism](#)
- [GnRH signaling pathway](#)
- [Linoleic acid metabolism](#)
- [Long-term depression](#)
- [MAPK signaling pathway](#)
- [Metabolic pathways](#)
- [Vascular smooth muscle contraction](#)
- [VEGF signaling pathway](#)

Disease

- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Liver Neoplasms](#)