

## Product datasheet for **TP310905L**

### PLA2G12B (NM\_032562) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human phospholipase A2, group XIIB (PLA2G12B), 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC210905 protein sequence  
Red=Cloning site Green=Tags(s)

MKLASGFLVLWLSLGGGLAQSDTSPDTEESYSDWGLRHLRGSFESVNSYFDSFLELLGGKNGVCQYRCRY  
GKAPMPRPGYKPQEPNGCGSYFLGLKVPESMDLGIPAMTKCCNQLDVCYDTCGANKYRCDKFRWCLHSI  
CSDLKRS LGFVSKVEAACDSLVDTVFNTVWTLGCRPFMNSQRAACICAEKEEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK

**Predicted MW:** 21.5 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_115951](#)

**Locus ID:** 84647

**UniProt ID:** [Q9BX93](#)

**RefSeq Size:** 1092



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**Cytogenetics:** 10q22.1

**RefSeq ORF:** 585

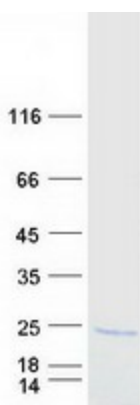
**Synonyms:** FKSG71; GXIIB; GXIIBsPLA2; PLA2G13; sPLA2-GXIIB

**Summary:** The protein encoded by this gene belongs to the phospholipase A2 (PLA2) group of enzymes, which function in glycolipid hydrolysis with the release of free fatty acids and lysophospholipids. This family member has altered phospholipid-binding properties and is catalytically inactive. The protein is secreted, and together with microsomal triglyceride transfer protein, it functions to regulate HNF4alpha-induced hepatitis C virus infectivity. The expression of this gene is down-regulated in various tumors, suggesting that it may function as a negative regulator of tumor progression. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Dec 2015]

**Protein Families:** Secreted Protein

**Protein Pathways:** 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

### Product images:



Coomassie blue staining of purified PLA2G12B protein (Cat# [TP310905]). The protein was produced from HEK293T cells transfected with PLA2G12B cDNA clone (Cat# [RC210905]) using MegaTran 2.0 (Cat# [TT210002]).