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Product datasheet for PH310905

PLA2G12B (NM_032562) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PLA2G12B MS Standard C13 and N15-labeled recombinant protein (NP_115951)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210905
Predicted MW:	21.7 kDa
Protein Sequence:	>RC210905 protein sequence Red=Cloning site Green=Tags(s) MKLASGFLVLWLSLGGGLAQSDTSPDTEESYSDWGLRHLRGSFESVNSYFDSFLELLGGKNGVCQYRCRY GKAPMPRPGYKPQEPNGCGSYFLGLKVPESMDLGIPAMTKCCNQLDVCYDTCGANKYRCDAKFRWCLHSI CSDLKRSLGFVSKVEAACDSLVDTVFNTVWTLGCRPFMNSQRAACICAEEEKEEL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_115951
RefSeq Size:	1092
RefSeq ORF:	585
Synonyms:	FKSG71; GXIIB; GXIIIsPLA2; PLA2G13; sPLA2-GXIIB
Locus ID:	84647
UniProt ID:	Q9BX93

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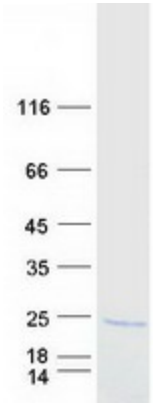
Cytogenetics: 10q22.1

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]).