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Product datasheet for PA520X

PLA2G1B (His-tagged Fusion Protein) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	PLA2G1B (His-tagged Fusion Protein) human protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MRGSHHHHHH GMASHMAVWQ FRKMIKCVIP GSDPFLEYNN YGCYCGLGGS GTPVDELDKC CQTHDNCYDQ AKKLDSCKFL LDNPYTHTYS YSCSGSAITC SSKNKECEAF ICNCDRNAAI CFSKAPYNKA HKNLDTKKYC QS
Tag:	His-tag
Concentration:	lot specific
Purity:	>95% > 95%
Buffer:	Presentation State: Purified State: Lyophilized (0.4 um filtered) purified protein. Buffer System: 0.05 M Acetate buffer pH4
Reconstitution Method:	Restore with 0.1M Acetate buffer pH4
Preparation:	Lyophilized (0.4 um filtered) purified protein.
Applications:	Western Blot.
Protein Description:	Total 142 AA. MW: 16 kDa (calculated). N-Terminal His-tag, 16 extra AA (highlighted).
Note:	Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
Storage:	Store lyophilized (preferably in a desiccator) at -20°C and in aliquots at -80°C. Reconstituted antibody can be stored at 4°C for a limited period of time; it does not show decline in activity after two weeks at 4°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000919
Locus ID:	5319
UniProt ID:	P04054

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Cytogenetics:	12q24.31
Synonyms:	PLA2G1B, PLA2, PLA2A, PPLA2, Phospholipase A2, Group IB phospholipase A2
Summary:	This gene encodes a secreted member of the phospholipase A2 (PLA2) class of enzymes, which is produced by the pancreatic acinar cells. The encoded calcium-dependent enzyme catalyzes the hydrolysis of the sn-2 position of membrane glycerophospholipids to release arachidonic acid (AA) and lysophospholipids. AA is subsequently converted by downstream metabolic enzymes to several bioactive lipophilic compounds (eicosanoids), including prostaglandins (PGs) and leukotrienes (LTs). The enzyme may be involved in several physiological processes including cell contraction, cell proliferation and pathological response. [provided by RefSeq, Aug 2013]
Protein Families:	Western Blot.
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: