

## Product datasheet for PA521X

### PLA2G2A (His-tagged Fusion Protein) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	PLA2G2A (His-tagged Fusion Protein) human protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MRGSHHHHHH GMASHMNLVN FHRMIKLTTG KEAALSYGFY GCHCGVGGRG SPKDATDRCC VTHDCCYKRL EKRGCGTKFL SYKFSNSGSR ITCAKQDSCR SQLCECDKAA ATCFARNKTT YNKKYQYYSN KHCRGSTPRC
Tag:	His-tag
Concentration:	lot specific
Purity:	>95%
Buffer:	Presentation State: Purified State: Lyophilized purified protein Buffer System: 0.05 M Acetate buffer pH4
Preparation:	Lyophilized purified protein
Applications:	Western Blot.
Protein Description:	Total 140 AA. MW: 15.8 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 cul
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:	<a href="#">NP_000291</a>
Locus ID:	5320
UniProt ID:	<a href="#">P14555</a>
Cytogenetics:	1p36.13



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**Synonyms:** PLA2B, PLA2L, RASF-A, NPS-PLA2, Group IIA phospholipase A2, Phospholipase A2 membrane associated

**Summary:** The protein encoded by this gene is a member of the phospholipase A2 family (PLA2). PLA2s constitute a diverse family of enzymes with respect to sequence, function, localization, and divalent cation requirements. This gene product belongs to group II, which contains secreted form of PLA2, an extracellular enzyme that has a low molecular mass and requires calcium ions for catalysis. It catalyzes the hydrolysis of the sn-2 fatty acid acyl ester bond of phosphoglycerides, releasing free fatty acids and lysophospholipids, and thought to participate in the regulation of the phospholipid metabolism in biomembranes. Several alternatively spliced transcript variants with different 5' UTRs have been found for this gene. [provided by RefSeq, Sep 2009]

**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:**

