

Recombinant Human PLA2G2A, His-tagged

Cat. No. PLA2G2A-1031H Lot. No. (See product label)

SPECIFICATION

Product Overview	Total 142 AA. MW: 15.8 kDa (calculated). N-Terminal His-tag, 16 extra AA (highlighted).
Species	Human
Source	E.coli
Description	Phospholipase A2, membrane associated is an enzyme that in humans is encoded by the PLA2G2A gene.
Form	Filtered (0.4 um) and lyophilized in 0.5 mg/ml in 0.05M Acetate buffer pH 4.
Research topic	Secreted phospholipases A2
Purity	>95%
Reconstitution	Add 0.1M Acetate buffer pH4 to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10 ug/ml. In higher concentrations the solubility of this antigen is limited. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
Applications	Western blotting

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Quality Control Test	BCA to determine quantity of the protein; SDS PAGE to determine purity of the protein.
Sequences of amino acids	MRGSHHHHHH GMASHMNLVN FHRMIKLT TG KEAALSYGFY GCHCGVGGRG SPKDATDRCC VTHDCCYKRL EKRGCGTKFL SYKFSNSGSR ITC AKQDSCR SQLCECDKAA ATCFARNKTT YNK KYQYYSN KHCRGSTPRC
Storage	Store lyophilized protein at -20°C. Lyophilized protein remains stable until the expiry date when stored at -20°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after one week at 4°C.

GENE INFORMATION

Gene Name	PLA2G2A phospholipase A2, group IIA (platelets, synovial fluid) [Homo sapiens]
Official Symbol	PLA2G2A
Synonyms	PLA2G2A; phospholipase A2, group IIA (platelets, synovial fluid); MOM1; PLA2; PLA2B; PLA2L; PLA2S; PLAS1; sPLA2; OTTHUMP00000002786; Phospholipase A2, membrane associated; EC=3.1.1.4; Group IIA phospholipase A2; GIIC sPLA2; Non-pancreatic secretory phospholipase A2; NPS-PLA2; Phosphatidylcholine 2-acylhydrolase 2A; RASF-A; EC 3.1.1.4
Gene ID	5320
mRNA Refseq	NM_000300
Protein Refseq	NP_000291

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MIM	172411
Uniprot ID	P14555
Chromosome Location	1p35
Function	calcium ion binding; calcium-dependent phospholipase A2 activity; hydrolase activity; phospholipase A2 activity; phospholipid binding

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