

Secreted Phospholipase A2-IB Recombinant Protein | PLA2G1B recombinant protein

Recombinant Human Secreted Phospholipase A2-IB

CATALOG # AAA38279	HOST E Coli
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PRODUCT SYNONYMS

Secreted Phospholipase A2-IB; Recombinant Human Secreted Phospholipase A2-IB; PLA2G1B Human; Secreted Phospholipase A2-IB Human Recombinant; Phospholipase A2; EC 3.1.1.4; Phosphatidylcholine 2-acylhydrolase; Group IB phospholipase A2; PLA2; PLA2A; PPLA2; sPLA2-IB; MGC119834; MGC119835; PLA2G1B; PLA2G1B recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	Filtered (0.4 um) and lyophilized from 0.5 mg/ml in 0.05M Acetate buffer pH-4. Lyophilized (freeze-dried) powder.
Sequence	<u>MRGSHHH HHHGMASHM</u> < /u> <u>AVWQFRK MIKCVIPGSD PFLEYNNYGC YCGLGGSGTP VDELDKCCQT HDNCYDQAKK LDSCFLLDN PYHTYSSYSC SGSAITCSSK NKECEAFICN CDRNAAICFS KAPYNKAHKN LDTKKYCQS</u>
Sequence Length	148
Solubility	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 10ug/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.
Preparation and Storage	Store lyophilized protein at -20 degree C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4 degree C for a limited period of time; it does not show any change after two weeks at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for PLA2G1B recombinant protein	Description: Secreted Phospholipase A2-IB Human Recombinant is manufactured with N-terminal fusion of HisTag. PLA2G1B His-Tagged Fusion Protein is 16 kDa containing 126 amino acid residues of the human secreted phospholipase A2-IB and 16 additional amino acid residues - HisTag (underlined).MRGSHHHHHH GMASHMAVWQ FRKMIKCVIP GSDPFLEYNN YGCYCGLGGS GTPVDELDKC CQTHDNCYDQ AKKLDSCFLLDNPYHTYSS YSCSGSAITC SSKNKECEAF ICNCDRNAAI CFSKAPYNKA HKNLDTKKYC QS. Introduction: Group IB secretory phospholipase A2 (sPLA2-IB) mediates cell proliferation, cell migration, hormone release and eicosanoid production via its receptor in peripheral tissues. In the CNS, high-affinity binding sites of sPLA2-IB have been documented. sPLA2-IB induced neuronal cell death in a concentration-dependent manner depending on PGD2 metabolites, especially Delta12-PGJ2 that might mediate sPLA2-IB-induced apoptosis. The secretory PLA2 (sPLA2) family, in which 10 isozymes have been identified, consists of lowmolecular weight, Ca2+-requiring secretory enzymes that have been implicated in a number of biological processes, such as modification of eicosanoid generation, inflammation, and host defense.
Product Categories/Family for PLA2G1B recombinant protein	Enzymes; Secreted Phospholipase A2

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505847
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NCBI GeneID	5319
NCBI Accession #	NP_000919.1
NCBI GenBank Nucleotide #	NM_000928.2
UniProt Accession #	P04054; Q3KPI1; B2R4H5
Molecular Weight	16,360 Da
NCBI Official Full Name	phospholipase A2
NCBI Official Synonym Full Names	phospholipase A2, group IB (pancreas)
NCBI Official Symbol	PLA2G1B
NCBI Official Synonym Symbols	PLA2; PLA2A; PPLA2
NCBI Protein Information	phospholipase A2; phosphatidylcholine 2-acylhydrolase 1B
UniProt Protein Name	Phospholipase A2
UniProt Gene Name	PLA2G1B
UniProt Synonym Gene Names	PLA2; PLA2A; PPLA2
UniProt Entry Name	PA21B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/pla2g1b-recombinant-protein-e-coli/38279>