

Recombinant Human PLA2G1B Protein

Cat. No. PLA2G1B-832H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PLA2G1B protein without tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	148
Description	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.
Form	Lyophilized
Molecular Mass	15 kDa
AA Sequence	MKLLVLAVLLTVAADSGISPRVWQFRKMIKCVIPGSDPFLEYNNYGCYCGLGGSG TPVDELDKCCQTHDNCYDQAKKLDSCFLLDNPYTHYSSCSGSAITCSSKNKEC EAFICNCDRNAAICFSKAPYNKAHKNLDTKKYCQS

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Purity	> 98%
Applications	Migration Assay; WB; Biochemical Assay;
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	PLA2G1B phospholipase A2, group IB (pancreas) [Homo sapiens (human)]
Official Symbol	PLA2G1B
Synonyms	PLA2G1B; phospholipase A2, group IB (pancreas); PLA2, PLA2A, PPLA2; phospholipase A2; group IB phospholipase A2; phosphatidylcholine 2-acylhydrolase 1B; PLA2; PLA2A; PPLA2; MGC119834; MGC119835;
Gene ID	5319

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mRNA Refseq	NM_000928
Protein Refseq	NP_000919
MIM	172410
UniProt ID	P04054

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