

Active Recombinant Human PLA2G1B protein, His-tagged

Cat. No. PLA2G1B-254H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human PLA2G1B protein(NP_000919.1) (Met 1-Ser 148) with a C-terminal polyhistidine tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-148 aa
Form	Lyophilized from sterile 10mM Tris, 5mM CaCl ₂ , pH 8.0.
Bio-activity	Measured by its ability to hydrolyze 1-Hexadecanoyl-2-(1-pyrenedecanoyl)-sn-glycerol-3-phosphomethanol. The specific activity is >2,500 pmol/min/μg.
Molecular Mass	The recombinant human PLA2G1B comprises 144 amino acids after removal of the signal peptide, and has a predicted molecular mass of 16.2 kDa. rh PLA2G1B migrates as an approximately 19 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 92 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
protein Refseq-Weblink	http://www.ncbi.nlm.nih.gov/protein/NP_000919.1
Unit ID	P04054
Unit ID-Weblink	http://www.uniprot.org/uniprot/P04054
GENE INFORMATION	
Gene Name	PLA2G1B phospholipase A2, group IB (pancreas) [Homo sapiens]
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
mRNA Refseq	NM_000928
protein Refseq	NP_000919
MIM	172410