

## Active Recombinant Human PLA2G1B protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Human PLA2G1B protein(NP_000919.1) (Met 1-Ser 148) with a C-terminal polyhistidine tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-148 aa
<b>Form</b>	Lyophilized from sterile 10mM Tris, 5mM CaCl <sub>2</sub> , pH 8.0.
<b>Bio-activity</b>	Measured by its ability to hydrolyze 1-Hexadecanoyl-2-(1-pyrenedecanoyl)-sn-glycerol-3-phosphomethanol. The specific activity is >2,500 pmol/min/μg.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 EU per μg of the protein as determined by the LAL method.
<b>Purity</b>	> 92 % as determined by SDS-PAGE
<b>Storage</b>	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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<b>Reconstitution</b>	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.
<b>protein Refseq-Weblink</b>	<a href="http://www.ncbi.nlm.nih.gov/protein/NP_000919.1">http://www.ncbi.nlm.nih.gov/protein/NP_000919.1</a>
<b>Unit ID</b>	P04054
<b>Unit ID-Weblink</b>	<a href="http://www.uniprot.org/uniprot/P04054">http://www.uniprot.org/uniprot/P04054</a>
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	PLA2G1B phospholipase A2, group IB (pancreas) [ Homo sapiens ]
<b>Official Symbol</b>	PLA2G1B
<b>Synonyms</b>	PLA2G1B; phospholipase A2, group IB (pancreas); PLA2, PLA2A, PPLA2; phospholipase A2; group IB phospholipase A2; phosphatidylcholine 2-acylhydrolase 1B; PLA2; PLA2A; PPLA2; MGC119834; MGC119835;
<b>Gene ID</b>	5319
<b>mRNA Refseq</b>	NM_000928
<b>protein Refseq</b>	NP_000919
<b>MIM</b>	172410

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