

## Recombinant Mouse PLA2G1B cell lysate

**Cat. No.** PLA2G1B-2033MCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Mouse Phospholipase-A2 / PLA2G1B derived in Human Cells. The whole cell lysate is provided in 1X Sample Buffer. Browse all transfected cell lysate positive controls
<b>Species</b>	Mouse
<b>Source</b>	Human Cells
<b>Preparation method</b>	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
<b>Lysis buffer</b>	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
<b>Quality control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue
<b>Recommended Usage</b>	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube. 2. Re-dissolve the pellet using 200µL pure water and boiled for 2-5 min. 3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. Notes: The lysate is ready to load on SDS-PAGE for Western blot application. If dissociating conditions are required, add

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reducing agent prior to heating.

**Stability**

Samples are stable for up to twelve months from date of receipt at -80°C

**Storage Buffer**

50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF

**Storage Instruction**

Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

## GENE INFORMATION

**Gene Name**

Pla2g1b phospholipase A2, group IB, pancreas [ *Mus musculus* ]

**Official Symbol**

PLA2G1B

**Synonyms**

PLA2G1B; phospholipase A2, group IB, pancreas; phospholipase A2; PLA2-Ib; group IB phospholipase A2; phosphatidylcholine 2-acylhydrolase 1B; Pla2a; sPLA2IB; MGC6679;

**Gene ID**

18778

**mRNA Refseq**

NM\_011107

**Protein Refseq**

NP\_035237

**Pathway**

Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Ether lipid metabolism, organism-specific biosystem; Ether lipid metabolism, conserved biosystem; Fat digestion and absorption, organism-specific biosystem; Fat digestion and absorption, conserved

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biosystem; Fc epsilon RI signaling pathway, organism-specific biosystem;

**Function**

calcium ion binding; calcium-dependent phospholipase A2 activity; cell surface binding; hydrolase activity; metal ion binding; phospholipase A2 activity; phospholipase A2 activity; receptor binding; receptor binding;

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