

**Product Name: Recombinant Mouse PLA2G1B (C-6His)**  
**Catalog #: PHM1325**



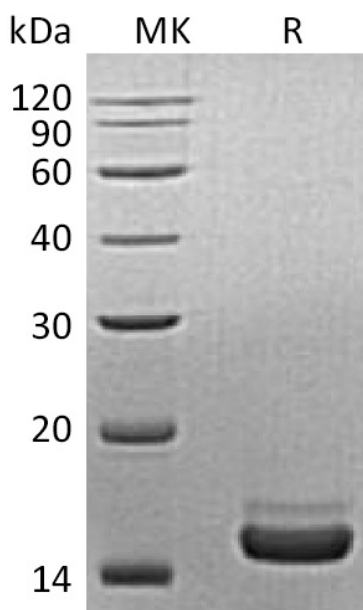
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## Summary

<b>Name</b>	Phospholipase A2/PLA2-1b/Group IB phospholipase A2/Phosphatidylcholine 2-acylhydrolase 1B/Pla2g1b/Pla2
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Mouse Phospholipase A2 is produced by our Mammalian expression system and the target gene encoding Ala16-Cys146 is expressed with a 6His tag at the C-terminus.
<b>Accession #</b>	Q9Z0Y2
<b>Host</b>	Human Cells
<b>Species</b>	Mouse
<b>Predicted Molecular Mass</b>	15.6 KDa
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of 20mM HEPES, 150mM NaCl, pH 7.0.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	

## SDS-PAGE image

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### **Alternative Names**

Phospholipase A2; Group IB phospholipase A2; PLA2-Ib; Phosphatidylcholine 2-acylhydrolase 1B; Pla2g1b; Pla2

### **Background**

Mouse phospholipase A2 is a secreted protein which belongs to the phospholipase A2 family. Phospholipase A2/PLA2G1B catalyzes the release of fatty acids from glycerol-3-phosphocholines. The best known varieties are the digestive enzymes secreted as zymogens by the pancreas of mammals. PLA2G1B has been thought to play major role in digestion of glycerophospholipids in nutrients, given its abundance in digestive organs. Since its expression has been observed in non-digestive organs including the lung, spleen, kidney, ovary, retina, brain, and neurons, its function may not limited to digestive role. PLA2G1B are resistant to obesity and diabetes induced by feeding a diabetogenic high-fat/high-carbohydrate diet. PLA2G1B inhibition may be a potentially effective oral therapeutic option for treatment of obesity and diabetes.

### **Note**

For Research Use Only , Not for Diagnostic Use.