

## Product datasheet for **TP727755**

### Pla2g1b Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Phospholipase A2 Group IB/PLA2G1B (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Ala16-Cys146
Tag:	C-His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM HEPES, 150mM NaCl, pH 7.0.
Note:	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.
Stability:	12 months from date of despatch
Locus ID:	18778
UniProt ID:	<a href="#">Q9Z0Y2</a>
Summary:	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.



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