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37-1600: PLA2G1B Recombinant Protein (C-term, His Tag)(Discontinued)

Gene :	Human PLA2G1B (NP_000919)
Alternative Name :	Phospholipase A2,EC 3.1.1.4,Phosphatidylcholine 2-acylhydrolase,Group IB phospholipase A2,PLA2,PLA2A,PPLA2,sPLA2-IB,MGC119834,MGC119835,PLA2G1B.
Immunogen Information :	The Recombinant human PLA2G1B is 144 amino acids after removal of signal peptide. It has predicted molecular mass of 16.2 kDaThis protein migrates around 19 kDa band in SDS-PAGE under reducing condition.

Description

Source : HEK293 Cells. Phospholipase A2, also known as Phosphatidylcholine 2-acylhydrolase 1B, Group IB phospholipase A2, PLA2 and PLA2G1B, is a secreted protein which belongs to thephospholipase A2 family. Phospholipase A2 / PLA2G1B catalyzes the release of fatty acids from glycero-3- phosphocholines. The best known varieties are the digestive enzymes secreted as zymogens by the pancreas of mammals. Sequences of pancreatic Phospholipase A2 / PLA2G1B enzymes from a variety of mammals have been reported. One striking feature of these enzymes is their close homology to venom phospholipases of snakes. Other forms of Phospholipase A2 / PLA2G1B have been isolated from brain, liver, lung, spleen, intestine, macrophages, leukocytes, erythrocytes, inflammatory exudates, chondrocytes, and platelets. Mice lacking in Phospholipase A2 / PLA2G1B are resistant to obesity and diabetes induced by feeding a diabetogenic high-fat/high-carbohydrate diet. Oral supplementation of a diabetogenic diet with the PLA2G1B inhibitor methyl indoxam effectively suppresses diet-induced obesity and diabetes. PLA2G1B inhibition may be a potentially effective oral therapeutic option for treatment of obesity and diabetes.

Product Info

Amount :	10 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	Lyophilized from sterile 10mM Tris, 5mM CaCl2, pH 8.0 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization
Storage condition :	Store lyophilized protein at -20°C to -80°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles.
Amino Acid :	MAVWQ FRKMIKCVIP GSDPFLEYNN YGCYCGLGGS GTPVDELDKC CQTHDNCYDQ AKKLDSCKFL LDNPYTHTYS YSCSGSAITC SSKNKECEAF ICNCDRNAAI CFSKAPYNKA HKNLDTKKYC QSHHHHHH.

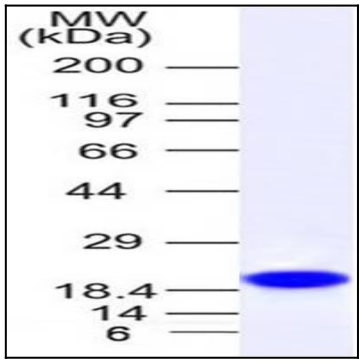

Fig. 1:. PLA2G1B Recombinant Protein was run on a 4-20% SDS-PAGE gel followed by Coomassie blue staining.