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Recombinant Human PLA2G1B/PLA2/PLA2A Protein(C-6His)

产品货号: TP05876

第三版

别名:PLA2G1B;Phospholipase A2;Group IB phospholipase A2;PLA2;PLA2A;PPLA2

描述:Phospholipase A2(PLA2G1B) is a secreted protein which belongs to the phospholipase A2 family. It catalyzes the release of fatty acids from glycerol-3-phosphocholines. It catalyzes the calcium-dependent hydrolysis of the 2-acyl groups in 3-sn-phosphoglycerides. This releases glycerophospholipids and arachidonic acid that serve as the precursors of signal molecules. Sequences of pancreatic 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. Mice lacking in 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.

配方:PBS

分子量:15.2 kDa

序列:Ala23-Ser148

纯度:> 95% by HPLC

浓度:

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.