

Datasheet for ABIN7320191
PLA2G12B Protein (His tag)



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1 Image

Overview

Quantity:	100 µg
Target:	PLA2G12B
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLA2G12B protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse PLA2G12B/PLA2G13 Protein (His Tag)
Sequence:	Met 1-Leu 195
Characteristics:	A DNA sequence encoding the mouse PLA2G12B (NP_076019.2) (Met 1-Leu 195) was expressed, with a C-terminal polyhistidine tag.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	PLA2G12B
Alternative Name:	PLA2G12B/PLA2G13 (PLA2G12B Products)
Background:	Background: Group XIIB secretory phospholipase A2-like protein, also known as Group XIII secretory phospholipase A2-like protein, GXIII sPLA2-like, sPLA2-GXIIB, GXIIB, PLA2G13 and PLA2G12B, is a secreted protein which belongs to the phospholipase A2 family. PLA2G12B /

Target Details

PLA2G13 is strong expression in liver, small intestine and kidney. Mammalian secretory phospholipase A2s (sPLA2s) form a family of structurally related enzymes that are involved in a variety of physiological and pathological processes via the release of arachidonic acid from membrane phospholipids or the binding to specific membrane receptors. Phospholipases A2 / PLA2 are enzymes that release fatty acids from the second carbon group of glycerol. This particular phospholipase specifically recognizes the sn-2 acyl bond of phospholipids and catalytically hydrolyzes the bond releasing arachidonic acid and lysophospholipids.

Phospholipases A2 / PLA2 are commonly found in mammalian tissues as well as insect and snake venom. Venom from both snakes and insects is largely composed of melittin, which is a stimulant of Phospholipases A2 / PLA2. Due to the increased presence and activity of Phospholipases A2 / PLA2 resulting from a snake or insect bite, arachidonic acid is released from the phospholipid membrane disproportionately. As a result, inflammation and pain occur at the site.

Synonym: 2010002E04Rik;Fksg71;h1b218;Pla2g13

Molecular Weight: 21 kDa

NCBI Accession: [NP_076019](#)

Application Details

Restrictions: For Research Use only

Handling

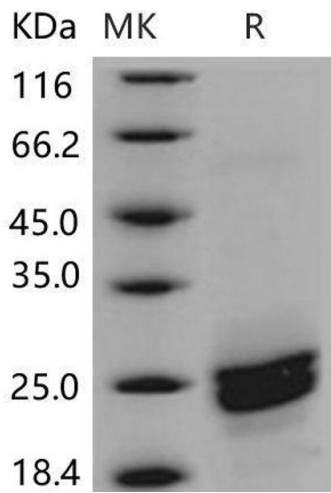
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 20 mM NaAc, 100 mM NaCl, pH 5.0

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.