

Product datasheet for TP500952

Pla2g10 (BC028879) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse phospholipase A2, group X (cDNA clone MGC:25894 IMAGE:4218273), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR200952 protein sequence
Red=Cloning site **Green**=Tags(s)

MLLLLLLLLLLGP GPFSEATRRSHVYKRGLLELAGTLDCVGP RSPMAYMNYGCYCGLG GHGEP RDAIDWC
CYHHDCCYSRAQDAGCSPKLD RYPWKCMDHHILCGECPMP CDFPKCPLDILQIPMAPVPLWTSREQMPRT
FVQV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 16.2 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C after receiving vials.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Locus ID: 26565

UniProt ID: [Q9QXX3](#)

RefSeq Size: 1011

Cytogenetics: 16 9.5 cM

RefSeq ORF: 432

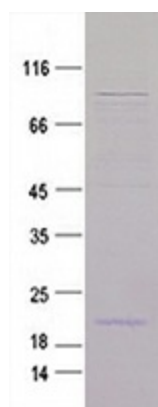


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Synonyms: PLA2GX, mGXsPLA2, sPLA2-X

Summary: This gene encodes a member of the phospholipase A2 family of lipolytic enzymes that hydrolyzes glycerophospholipids to produce free fatty acids and lysophospholipids. The encoded protein undergoes proteolytic processing to generate a calcium-dependent enzyme that plays pivotal roles in the liberation of arachidonic acid from membrane phospholipids leading to the production of various inflammatory lipid mediators, such as prostaglandins. In response to myocardial ischemia/reperfusion, mice lacking the encoded protein display a reduction in myocardial infarct size partly through the suppression of neutrophil cytotoxic activities. Alternative splicing results in multiple transcript variants encoding different isoforms. All of these isoforms may undergo similar processing to generate the mature protein. [provided by RefSeq, Jul 2015]

Product images:



Purified recombinant protein Pla2g10 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.