

Recombinant Human PLA2G4A

Catalog No: #GP11397



Package Size: #GP11397-1 100ug

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Description

Product Name	Recombinant Human PLA2G4A
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to N terminal 178 amino acids of human phospholipase A2, group IVA (cytosolic, calcium-dependent)
Target Name	phospholipase A2, group IVA (cytosolic, calcium-dependent)
Other Names	PLA2G4; cPLA2-alpha
Accession No.	Swissprot:P47712Gene Accession:BC114340
Uniprot	P47712
GenID	5321;
Storage	-20~-80°C, pH 7.6 PBS

Background

This gene encodes a member of the cytosolic phospholipase A2 group IV family. The enzyme catalyzes the hydrolysis of membrane phospholipids to release arachidonic acid which is subsequently metabolized into eicosanoids. Eicosanoids, including prostaglandins and leukotrienes, are lipid-based cellular hormones that regulate hemodynamics, inflammatory responses, and other intracellular pathways. The hydrolysis reaction also produces lysophospholipids that are converted into platelet-activating factor. The enzyme is activated by increased intracellular Ca(2+) levels and phosphorylation, resulting in its translocation from the cytosol and nucleus to perinuclear membrane vesicles.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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