

PLA2G4A 抗原（重组蛋白）

中文名称： PLA2G4A 抗原（重组蛋白）

英文名称： PLA2G4A Antigen (Recombinant Protein)

别名： PLA2G4; cPLA2-alpha

储存： 冷冻（-20℃）

相关类别： 抗原

概述：

Fusion protein corresponding to N terminal 178 amino acids of human PLA2G4A

技术规格：

Full name:	phospholipase A2, group IVA (cytosolic, calcium-dependent)
Synonyms:	PLA2G4; cPLA2-alpha
Swissprot:	P47712
Gene Accession:	BC114340
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
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.