

Datasheet for ABIN5714346

PLA2R1 Protein (AA 395-530) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	PLA2R1
Protein Characteristics:	AA 395-530
Origin:	Human
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLA2R1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	EEKTWHEALR SCQADNSALI DITSLAEVEF LVTL LGDENA SETWIGLSSN KIPVSFEWSN DSSVIFTNWH TLEPHIFPNR SQLCVSAEQS EGHWKVKNC EERLFYICKKA GHVLSDAESG CQEGWERHGG FCYKID
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	PLA2R1
Alternative Name:	PLA2R (PLA2R1 Products)
Background:	Receptor for secretory phospholipase A2 (sPLA2). Acts as a receptor for phospholipase sPLA2-IB/PLA2G1B but not sPLA2-IIA/PLA2G2A. Also able to bind to snake PA2-like toxins. Although

Target Details

its precise function remains unclear, binding of sPLA2 to its receptor participates in both positive and negative regulation of sPLA2 functions as well as clearance of sPLA2. Binding of sPLA2-IB/PLA2G1B induces various effects depending on the cell type, such as activation of the mitogen-activated protein kinase (MAPK) cascade to induce cell proliferation, the production of lipid mediators, selective release of arachidonic acid in bone marrow-derived mast cells. In neutrophils, binding of sPLA2-IB/PLA2G1B can activate p38 MAPK to stimulate elastase release and cell adhesion. May be involved in responses in proinflammatory cytokine productions during endotoxic shock. Also has endocytic properties and rapidly internalizes sPLA2 ligands, which is particularly important for the clearance of extracellular sPLA2s to protect their potent enzymatic activities. The soluble secretory phospholipase A2 receptor form is circulating and acts as a negative regulator of sPLA2 functions by blocking the biological functions of sPLA2-IB/PLA2G1B.

Molecular Weight: 17.45 kDa

UniProt: [Q13018](#)

Pathways: [Positive Regulation of Response to DNA Damage Stimulus](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.1-2 mg/mL

Buffer: 20 mM Tris-HCl based buffer, pH 8.0

Storage: -80 °C, 4 °C, -20 °C

Storage Comment: Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE

Image 1.