

Datasheet for ABIN7596810

## LPAR1 Protein (DYKDDDDK Tag, Strep Tag)



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### Overview

Quantity:	10 µg
Target:	LPAR1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This LPAR1 protein is labelled with DYKDDDDK Tag, Strep Tag.
Application:	ELISA, Immunogen (Imm), Surface Plasmon Resonance (SPR), Phage Display (PhD), Cryogenic electron microscopy (cryo-EM)

### Product Details

Purpose:	Human LPAR1-Strep full length protein-synthetic nanodisc
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### Target Details

Target:	LPAR1
Alternative Name:	LPAR1 ( <a href="#">LPAR1 Products</a> )
Background:	<p>EDG2, Gpcr26, LPA1, Mrec1.3, VZG1, edg-2, rec.1.3, vzg-1</p> <p>The integral membrane protein encoded by this gene is a lysophosphatidic acid (LPA) receptor from a group known as EDG receptors. These receptors are members of the G protein-coupled receptor superfamily. Utilized by LPA for cell signaling, EDG receptors mediate diverse biologic functions, including proliferation, platelet aggregation, smooth muscle contraction, inhibition of neuroblastoma cell differentiation, chemotaxis, and tumor cell invasion. Many transcript variants encoding a few different isoforms have been identified for this gene. [provided by</p>

## Target Details

	RefSeq, Oct 2020]
Molecular Weight:	The human full length LPAR1-Strep protein has a MW of 41.1 kDa
UniProt:	<a href="#">Q92633</a>
Pathways:	<a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Smooth Muscle Cell Migration</a>

## Application Details

Comment:	Advantages: <ul style="list-style-type: none"><li>• Highly purified membrane proteins</li><li>• High solubility in aqueous solutions</li><li>• High stability</li><li>• Proteins are in a native membrane environment and remain biologically active</li><li>• No detergent and can be used for cell-based assays</li><li>• No MSP backbone proteins</li><li>• Mammalian cell expression system ensures post- translational modifications</li></ul>
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Buffer:	Solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months