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Product Information

NativeExtract™ Human LPAR2 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX178**
This product is for research use only and is not intended for diagnostic use.

This product is recombinant Human LPAR2 protein in native nanodisc form. The synthetic compound we developed can solubilize the LPAR2 protein from membrane while retaining the native structure.

Product Specifications

Host Species
Human

Target Protein
LPAR2

Protein Length
Full length

Molecular Weight
38.7kDa

Sequence
Accession # Q9HBW0

Product Description

Activity
Yes

Application
ELISA; SPR Binding Assays; Phage Display Screening; Immunity; Functional Assays

Expression Systems
HEK293 expression system

Tag
Flag tag at the C-terminus

Protein Format
Native Nanodisc

Form
Liquid

Buffer

20 mM Tris-HCl, 150 mM NaCl, pH 8.0

Storage

The product should be stored at -20°C to -80°C.

Target

Target Protein

LPAR2

Full Name

Lysophosphatidic acid receptor 2

Introduction

This gene encodes a member of family I of the G protein-coupled receptors, as well as the EDG family of proteins. This protein functions as a lysophosphatidic acid (LPA) receptor and contributes to Ca2+ mobilization, a critical cellular response to LPA in cells, through association with Gi and Gq proteins. An alternative splice variant has been described but its full length sequence has not been determined.

Alternative Names

EDG4; LPA2; EDG-4; LPA-2; G protein-coupled receptor; LPA receptor 2; LPA receptor EDG4; endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 4; lysophosphatidic acid receptor EDG4; lysophosphatidic acid receptor Edg-4; LPAR2; Lysophosphatidic acid receptor 2

Gene ID

9170

UniProt ID

Q9HBW0

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