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Product Information

NativeExtract™ Human S1PR1 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX53**
This product is for research use only and is not intended for diagnostic use.

This product is recombinant Human S1PR1 protein in native nanodisc form. The synthetic compound we developed can solubilize the S1PR1 protein from membrane while retaining the native structure.

Product Specifications

Host Species
Human

Target Protein
S1PR1

Protein Length
Full length

Molecular Weight
42.8kDa

Sequence
Accession # P21453

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

S1PR1

Full Name

Sphingosine-1-phosphate receptor 1

Introduction

The protein encoded by this gene is structurally similar to G protein-coupled receptors and is highly expressed in endothelial cells. It binds the ligand sphingosine-1-phosphate with high affinity and high specificity, and suggested to be involved in the processes that regulate the differentiation of endothelial cells. Activation of this receptor induces cell-cell adhesion. Alternative splicing results in multiple transcript variants.

Alternative Names

EDG1; S1P1; CD363; ECGF1; EDG-1; CHEDG1; D1S3362; sphingosine 1-phosphate receptor 1; S1P receptor 1; S1P receptor Edg-1; endothelial differentiation G-protein coupled receptor 1; endothelial differentiation, sphingolipid G-protein-coupled receptor, 1; sphingosine 1-phosphate receptor EDG1; sphingosine 1-phosphate receptor Edg-1; S1PR1; Sphingosine-1-phosphate receptor 1

Gene ID

1901

UniProt ID

P21453

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