

Product Information

MemDX™ Membrane Protein Human S1PR5 (Sphingosine-1-phosphate receptor 5) for Antibody Discovery

Cat. No.: **MP0316X**

This product is for research use only and is not intended for diagnostic use.

This product is a 68.2 kDa Human S1PR5 membrane protein expressed in *in vitro* wheat germ expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

S1PR5

Protein Length

Full-length

Molecular Weight

68.2 kDa

TMD

7

Sequence

MESGLLRPAPVSEVIVLHNYTGKLRGARYQPGAGLRADAVVCLAVCAFIVLENLAVLLVLGRHPRFHAPMFLLLGSLTSLDLAGA

Product Description

Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems

in vitro wheat germ expression system

Tag

GST-tag at N-terminal

Form

Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

S1PR5

Full Name

Sphingosine-1-phosphate receptor 5

Introduction

The lysosphingolipid sphingosine 1-phosphate (S1P) regulates cell proliferation, apoptosis, motility, and neurite retraction. Its actions may be both intracellular as a second messenger and extracellular as a receptor ligand. S1P and the structurally related lysolipid mediator lysophosphatidic acid (LPA) signal cells through a set of G protein-coupled receptors known as EDG receptors. Some EDG receptors (e.g., EDG1; MIM 601974) are S1P receptors; others (e.g., EDG2; MIM 602282) are LPA receptors

Alternative Names

EDG8; Edg-8; S1P5; SPPR-1; SPPR-2; endothelial differentiation; sphingolipid G-protein-coupled receptor, 8; sphingosine 1-phosphate receptor 5; sphingosine 1-phosphate receptor Edg-8

Gene ID

[53637](#)

UniProt ID

[Q9H228](#)