

## Product Information

### MemDX™ Membrane Protein Human S1PR5 (Sphingosine-1-phosphate receptor 5) expressed in *In vitro* wheat germ expression system for Antibody Discovery

Cat. No.: **MP1096X**

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

This product is a 41.8 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

41.8 kDa

##### TMD

7

##### Sequence

MESGLLRPAPVSEVIVLHYNYTGKLRGARYQPGAGLRADAVVCLAVCAFIVLENLAVLLVLGRHPRFHAPMFLLGSLTSDLLAGAA

#### Product Description

##### Application

Antibody Production

##### Expression Systems

*In vitro* wheat germ expression system

##### Tag

NO

##### Protein Format

Liposome

##### Form

Liquid

### Purification

None

### Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol

### 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; S1P5; Edg-8; SPPR-1; SPPR-2; sphingosine 1-phosphate receptor 5; S1P receptor 5; S1P receptor Edg-8; endothelial differentiation G-protein-coupled receptor 8; endothelial differentiation, sphingolipid G-protein-coupled receptor, 8; sphingosine 1-phosphate receptor EDG8; sphingosine 1-phosphate receptor Edg-8

### Gene ID

[53637](#)

### UniProt ID

[Q9H228](#)