

## 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**

MESGLLRPAPVSEVIVLHNYTGKLRGARYQPGAGLRADAVVCLAVCAFIVLENLAVLLVLGRHPRFHAPMFLLLGSLTSLDLAGA

### 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](#)