

Product Information

MemDX™ Membrane Protein Human S1PR1 (Sphingosine-1-phosphate receptor 1)

Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX3507K**

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

This product is a Human S1PR1 membrane protein expressed *in vitro* *E.coli* 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

S1PR1

Protein Length

Full Length

Protein Class

GPCR

TMD

7

Sequence

MGPTSVPLVKAHRSSVSDYVNYDIIVRHNYTGKLNISADKENSIKLTSVVFILICCFIILENIFVLLTIWTKKKFHRPMYYFIGNLALSDL

Product Description

Expression Systems

in vitro *E.coli* expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

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

S1PR1; EDG1; S1P1; CD363; ECGF1; EDG-1; CHEDG1; D1S3362; 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; Sphingosine-1-phosphate receptor 1

Gene ID

[1901](#)

UniProt ID

[P21453](#)