

Product Information

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

Length

Cat. No.: **MPC0348K**

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

This product is a 42.8 kDa Human S1PR1 membrane protein expressed in Baculovirus/Insect 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

Molecular Weight

42.8 kDa

TMD

7

Sequence

MGPTSVPLVKAHRSSVSDYVNYDIIVRHNYTGKLNISADKENSIKLTSV
VFILICCFIILENIFVLLTIWTKKKFHRPMYYFIGNLALSDLLAGVAYTA
NLLLSGATTYKLTPAQWFLREGSMFVALSASVFSLLAIAIERYITMLKMK
LHNGSNNFRLFLLISACWVISLILGGLPIMGWNCISALSSCSTVLPYHK
HYILFCTTVFTLLLLSIVLYCRIYSLVRTRSRLTFRKNISKASRSSEK
SLALLKTVIIVLSVFIACWAPLFILLLLDVGCKVKTCDILFRAEYFLVLA
VLNSGTNPIIYTLTNKEMRRAFIRIMSCCKCPSGDSAGKFKRPIIAGMEF
SRSKSDNSSHPQKDEGDNPETIMSSGNVNSSS

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Flag and 10xHis tag at N-terminal

Protein Format

Detergent or based on specific requirements

Form

Liquid

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

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](#)