

# Product Information

## **MemDX™ Membrane Protein Human S1PR3 (Sphingosine-1-phosphate receptor 3)**

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

Cat. No.: **MPX3500K**

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

This product is a Human S1PR3 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**

S1PR3

#### **Protein Length**

Full Length

#### **Protein Class**

GPCR

#### **TMD**

7

#### **Sequence**

MATALPPRLQPVRGNETLREHYQYVGKLAGRLKEASEGSTLTTVLFLVICSFIVLENLMVLIAIWKNNKFHNRMYYFFIGNLALCDLLAG

### 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

S1PR3

#### Full Name

Sphingosine-1-phosphate receptor 3

#### Introduction

This gene encodes a member of the EDG family of receptors, which are G protein-coupled receptors. This protein has been identified as a functional receptor for sphingosine 1-phosphate and likely contributes to the regulation of angiogenesis and vascular endothelial cell function.

#### Alternative Names

S1PR3; EDG3; LPB3; S1P3; EDG-3; C9orf47; C9orf108; bA791O21.3; G protein-coupled receptor, endothelial differentiation gene-3; S1P receptor 3; S1P receptor EDG3; S1P receptor Edg-3; endothelial differentiation G-protein coupled receptor 3; endothelial differentiation, sphingolipid G-protein-coupled receptor, 3; sphingosine 1-phosphate receptor Edg-3; uncharacterized protein C9orf47; Sphingosine-1-phosphate receptor 3

#### Gene ID

[1903](#)

#### UniProt ID

[Q99500](#)