

Recombinant Human S1PR3

Cat. No. S1PR3-28463TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human EDG3 with a N terminal proprietary tag: predicted molecular weight 34.10 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	77 amino acids
Description	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.
Molecular Weight	34.100kDa inclusive of tags
Tissue specificity	Expressed in all tissues, but most abundantly in heart, placenta, kidney, and liver.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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	cycles.
Sequences of amino acids	SKEMRRRAFFRLVCNCLVRGRGARASPIQPALDPSRSKSSSSNNSSHSPKVKEDLPHTAPSSCIMDKNAALQNGIFCN
Sequence Similarities	Belongs to the G-protein coupled receptor 1 family.
GENE INFORMATION	
Gene Name	S1PR3 sphingosine-1-phosphate receptor 3 [Homo sapiens]
Official Symbol	S1PR3
Synonyms	S1PR3; sphingosine-1-phosphate receptor 3; EDG3, endothelial differentiation, sphingolipid G protein coupled receptor, 3; sphingosine 1-phosphate receptor 3; EDG 3; sphingosine 1 phosphate receptor 3;
Gene ID	1903
mRNA Refseq	NM_005226
Protein Refseq	NP_005217
MIM	601965
Uniprot ID	Q99500
Chromosome Location	9q22.1-q22.2
Pathway	Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (i)

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signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Lysosphingolipid and LPA receptors, organism-specific biosystem;

Function

G-protein coupled receptor activity; lipid binding; lysosphingolipid and lysophosphatidic acid receptor activity; receptor activity; signal transducer activity;

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