S1PR3 cDNA Clone – Sphingosine-1-Phosphate Receptor 3 (Human)

PRODUCT OVERVIEW

Product Name	S1PR3, cDNA Clone
Full Product Name	S1PR3 cDNA Clone
Product Gene Name	S1PR3 cdna clone
Sequence	atggcaactg ccctcccgcc gcgtctccag ccggtgcggg ggaacgagac cctgcgggag cattaccagt acgtggggaa gttggcgggc aggctgaagg aggcctccga gggcagcacg ctcaccaccg tgctcttctt ggtcatctgc agcttcatcg tcttggagaa cctgatggtt ttgattgcca tctggaaaaa caataaattt cacaaccgca tgtacttttt cattggcaac ctggctctct gcgacctgct ggccggcatc gcttacaagg tcaacattct gatgtctggc aagaagacgt tcagcctgtc tcccacggtc tggttcctca gggagggcag tatgttcgtg gcccttgggg cgtccacctg cagcttactg gccatcgcca tcgagcggca cttgacaatg atcaaaatga ggccttacga cgccaacaag aggcaccgcg tcttcctcct gatcgggatg tgctggctca ttgccttcac gctgggcgcc ctgcccattc tgggctggaa ctgcctgcac aatctccctg actgctctac catcctgccc ctctactcca agaagtacat tgccttctgc atcagcatct tcacggccat cctggtgacc atcgtgatcc tctacgcacg catctacttc ctggtgaagt ccagcagccg taaggtggcc aaccacaaca actcggagcg gtccatggca ctgctgcgga ccgtggtgat tgtggtgagc gtgttcatcg cctgctggtc cccactcttc atcctcttcc tcattgatgt ggcctgcagg gtgcaggcgt gccccatcct cttcaaggct cagtggttca tcgtgttggc tgtgctcaac tccgccatga acccggtcat ctacacgctg gccagcaagg agatgcggcg ggccttcttc cgtctggtct gcaactgcct ggtcagggga cgggggggccc gcgcctcacc catccagcct gcgctcgacc caagcagaag taaatcaagc agcagcaaca atagcagcca ctctccgaag gtcaaggaag acctgcccca cacagccccc tcatcctgca tcatggacaa gaacgcagca cttcagaatg ggatcttctg caactga
Molecular Weight	42,250 Da
OMIM	601965
Vector	pENTR223.1 or pUC
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for S1PR3 cdna clone	MBS1276782 is a cDNA clone targeting S1PR3.
Other Notes	Small volumes of S1PR3 cdna clone vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for S1PR3. It may not necessarily be applicable to this product.

NCBI GI #	38173856
NCBI GeneID	1903
NCBI Accession #	BC060827
UniProt Secondary Accession #	Q5SQD8; Q7Z5I2
UniProt Related Accession #	Q99500
NCBI Official Full Name	Homo sapiens sphingosine-1-phosphate receptor 3, mRNA
NCBI Official Synonym Full Names	sphingosine-1-phosphate receptor 3
NCBI Official Symbol	S1PR3
NCBI Official Synonym Symbols	EDG3; LPB3; S1P3; EDG-3
UniProt Protein Name	Sphingosine 1-phosphate receptor 3

UniProt Synonym Protein Names	Endothelial differentiation G-protein coupled receptor 3; Sphingosine 1-phosphate receptor Edg-3; S1P receptor Edg-3
Protein Family	Sphingosine 1-phosphate receptor
UniProt Gene Name	S1PR3
UniProt Synonym Gene Names	EDG3; S1P receptor 3; S1P3; S1P receptor Edg-3
UniProt Entry Name	S1PR3_HUMAN
NCBI Protein Information	sphingosine 1-phosphate receptor 3
NCBI Summary for S1PR3	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. [provided by RefSeq, Jul 2008]
UniProt Comments for S1PR3	S1PR3: Receptor for the lysosphingolipid sphingosine 1- phosphate (S1P). S1P is a bioactive lysophospholipid that elicits diverse physiological effect on most types of cells and tissues. When expressed in rat HTC4 hepatoma cells, is capable of mediating S1P-induced cell proliferation and suppression of apoptosis. Belongs to the G-protein coupled receptor 1 family. Protein type: Membrane protein, multi-pass; Receptor, GPCR; GPCR, family 1; Membrane protein, integral Chromosomal Location of Human Ortholog: 9q22.1-q22.2 Cellular Component: integral to plasma membrane; plasma membrane Molecular Function: G-protein coupled receptor activity; integrin binding; lipid binding; protein binding Biological Process: anatomical structure morphogenesis; elevation of cytosolic calcium ion concentration; G-protein coupled receptor protein signaling pathway; positive regulation of cell proliferation
Research Articles on S1PR3	**1.** S1pr3 promotes leukocyte rolling by mobilization of endothelial P-selectin.
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