

Product datasheet for SC108034

EDG8 (S1PR5) (NM_030760) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EDG8 (S1PR5) (NM_030760) Human Untagged Clone
Tag:	Tag Free
Symbol:	EDG8
Synonyms:	Edg-8; EDG8; S1P5; SPPR-1; SPPR-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC108034 representing NM_030760. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGTCGGGGCTGCTGCGGCCGGCGCCGGTACGCGAGGTCATCGTCTGCATTACAACACACCGGC
AAGCTCCGCGGTGCGCGCTACCAGCCGGTGCCGGCCTGCGCGCCGACGCCGTGGTGTGCCTGGCGGTG
TGCGCCTTCATCGTGCTAGAGAATCTAGCCGTGTTGTTGGTGCTCGGACGCCACCCGCGCTTCCACGCT
CCCATGTTCTGCTCCTGGGCAGCCTCACGTTGTCGGATCTGCTGGCAGGCGCCGCTACGCCGCCAAC
ATCCTACTGTGGGGCCGCTCACGCTGAACTGTCCCCGCGCTCTGGTTCGCACGGGAGGGAGGCGTC
TTCGTGGCACTACTGCTCCGTGCTGAGCCTCCTGGCCATCGCGCTGGAGCGCAGCCTCACCATGGCG
CGCAGGGGGCCCGCGCCGCTCTCAGTCGGGGGCGCAGCTGGCGATGGCAGCCGCGCCTGGGGCGTG
TCGCTGCTCCTCGGGCTCCTGCCAGCGCTGGGCTGGAATTGCCTGGGTCGCTGGACGCTTGTCCACT
GTCTTGCCGCTCTACGCCAAGGCCTACGTGCTCTTCTGCGTGCTCGCCTTCGTGGGCATCCTGGCCGCT
ATCTGTGCACTCTACGCGCGCATCTACTGCCAGGTACGCGCCAACGCGCGGCCCTGCCGGCACGGCCC
GGGACTGCGGGGACCACCTCGACCCGGGCGCGTCGCAAGCCGCGCTCGCTGGCCTTGCTGCGCACGCTC
AGCGTGGTGCTCCTGGCCTTTGTGGCATGTTGGGGCCCCCTTCTCCTGCTGCTGTTGCTCGACGTGGCG
TGCCCGGCGCGCACCTGTCTGTACTCCTGCAGCCGATCCCTTCTGGGACTGGCCATGGCCAACCTCA
CTTCTGAACCCCATCATCTACAGCTCACCAACCGCGACCTGCGCCACGCGCTCCTGCGCCTGGTCTGC
TGCGGACGCCACTCCTGCGGCAGAGACCCGAGTGGCTCCAGCAGTCGGCGAGCGCGGCTGAGGCTTCC
GGGGGCTGCGCCGCTGCTGCCCGGGCCTTGATGGGAGCTTACGCGCTCGGAGCGCTCATCGCCC
CAGCGCGACGGGCTGGACACCAGCGCTCCACAGGCAGCCCGGTGCACCCACAGCCCGCCGGACTCTG
GTATCAGAACCGGCTGCAGACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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ACCN:	NM_030760
Insert Size:	1197 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_030760.4
RefSeq Size:	2351 bp
RefSeq ORF:	1197 bp
Locus ID:	53637
UniProt ID:	Q9H228
Cytogenetics:	19p13.2
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
MW:	41.8 kDa

Gene Summary:

The lysosphingolipid sphingosine 1-phosphate (S1P) regulates cell proliferation, apoptosis, motility, and neurite retraction. Its actions may be both intracellular as a second messenger and extracellular as a receptor ligand. S1P and the structurally related lysolipid mediator lysophosphatidic acid (LPA) signal cells through a set of G protein-coupled receptors known as EDG receptors. Some EDG receptors (e.g., EDG1; MIM 601974) are S1P receptors; others (e.g., EDG2; MIM 602282) are LPA receptors.[supplied by OMIM, Mar 2008]

Transcript Variant: This variant (1) represents the shorter transcript. Both variants 1 and 2 encode the same protein.