

## Product datasheet for **SC327509**

### EDG8 (S1PR5) (NM\_001166215) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EDG8 (S1PR5) (NM_001166215) 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:	>SC327509 representing NM_001166215. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGGATCGCC
ATGGAGTCGGGGCTGCTGCGGCCGGCGCCGGTGAGCGAGGTCATCGTCTGCATTACAACACACCGGC
AAGCTCCGCGGTGCGCGCTACCAGCCGGTGCCGGCCTGCGCGCCGACGCCGTGGTGTGCCTGGCGGTG
TGCGCCTTCATCGTGCTAGAGAATCTAGCCGTGTTGTTGGTGCTCGGACGCCACCCGCGCTTCCACGCT
CCCATGTTCTGCTCCTGGCAGCCTCACGTTGTCGGATCTGCTGGCAGGCGCCGCTACGCCGCAAC
ATCCTACTGTGGGGCCGCTCACGCTGAACTGTCCCCGCGCTCTGGTTCGCACGGGAGGGAGGCGTC
TTCGTGGCACTACTGCTCCGTGCTGAGCCTCCTGGCCATCGCGCTGGAGCGCAGCCTCACCATGGCG
CGCAGGGGGCCCGCCCGTCTCAGTCGGGGGCGCAGCTGGCGATGGCAGCCGCGCCTGGGGCGTG
TCGCTGCTCCTCGGGCTCCTGCCAGCGCTGGGCTGGAATTGCCTGGTTCGCTGGACGCTTGTCCACT
GTCTTGCCGCTCTACGCCAAGGCCTACGTGCTCTTCTGCGTGCTCGCCTTCGTGGGCATCCTGGCCGCT
ATCTGTGCACTCTACGCGCATCTACTGCCAGGTACGCGCAACCGCGCGCCCTGCCGGCACGGCCC
GGGACTGCGGGGACCACCTCGACCCGGGCGCGTCGCAAGCCGCGCTCGCTGGCCTTGCTGCGCAGCTC
AGCGTGGTGTCTCCTGGCCTTTGTGGCATGTTGGGGCCCTCTTCTGCTGCTGTTGCTCGACGTGGCG
TGCCCGGCGCGCACCTGTCTGTACTCCTGCAGCCGATCCCTTCTGGGACTGGCCATGGCCAACCTCA
CTTCTGAACCCCATCATCTACAGCTCACCAACCGGACCTGCGCCACGCGCTCCTGCGCCTGGTCTGC
TGCGGACGCCACTCCTGCGGCAGAGACCCGAGTGGCTCCAGCAGTCGGCGAGCGCGGCTGAGGCTTCC
GGGGGCTGCGCCGCTGCTGCCCGGGCCTTGATGGGAGCTTACGCGCTCGGAGCGCTCATCGCCC
CAGCGCGACGGGCTGGACACCAGCGCTCCACAGGCAGCCCGGTGCACCCACAGCCCGCCGGACTGTG
GTATCAGAACCGGCTGCAGACTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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<b>ACCN:</b>	NM_001166215
<b>Insert Size:</b>	1197 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001166215.1</a>
<b>RefSeq Size:</b>	2467 bp
<b>RefSeq ORF:</b>	1197 bp
<b>Locus ID:</b>	53637
<b>UniProt ID:</b>	<a href="#">Q9H228</a>
<b>Cytogenetics:</b>	19p13.2
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Neuroactive ligand-receptor interaction
<b>MW:</b>	41.8 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.</p>