

Product datasheet for SC119262

EDG1 (S1PR1) (NM_001400) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EDG1 (S1PR1) (NM_001400) Human Untagged Clone
Tag:	Tag Free
Symbol:	EDG1
Synonyms:	CD363; CHEDG1; D1S3362; ECGF1; EDG-1; EDG1; S1P1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_001400 edited
 ATGGGGCCCACCAGCGTCCCCTGGTCAAGGCCACCAGCGCTCGGTCTCTGACTACGTC
 AACTATGATATCATCGTCCGGCATTACAACCTACACGGGAAAGCTGAATATCAGCGCGGAC
 AAGGAGAACAGCATTAACTGACCTCGGTGGTGTTCATTCTCATCTGCTGCTTTATCATC
 CTGGAGAACATCTTTGTCTTGCTGACCATTGGAAAACCAAGAAATTCCACCGACCCATG
 TACTATTTTATTGGCAATCTGGCCCTCTCAGACCTGTTGGCAGGAGTAGCCTACACAGCT
 AACCTGCTCTTGCTGGGGCCACCACCTACAAGCTCACTCCCAGCCAGTGGTTTCTGCGG
 GAAGGGAGTATGTTTGTGGCCCTGTGAGCCTCCGTGTTTCACTCCTCGCCATCGCCATT
 GAGCGCTATATCACAATGCTGAAAATGAACTCCACAACGGGAGCAATAACTTCCGCCTC
 TTCCTGCTAATCAGCGCCTGCTGGGTGCTCCCTCATCCTGGGTGGCCTGCCTATCATG
 GGCTGGAAGTGCATCAGTGCCTGTCCAGCTGCTCCACCGTGTGCGGCTTACCACAAG
 CACTATATCCTCTTCTGACCACGGTCTTCACTCTGCTTCTGCTCTCCATCGTCATTCTG
 TACTGCAGAATCTACTCCTTGGTCAGGACTCGGAGCCGCGCCTGACGTTCCGCAAGAAC
 ATTTCCAAGGCCAGCCGAGCTCTGAGAAGTCGCTGGCGCTGCTCAAGACCGTAATTATC
 GTCCTGAGCGTCTTATCGCCTGCTGGGACCCGCTCTTCACTGCTCCTGCTGGATGTG
 GGCTGCAAGGTGAAGACCTGTGACATCCTTTCAGAGCGGAGTACTTCTGGTGTAGCT
 GTGCTCAACTCCGGCACCAACCCATCATTTACTCTGACCAACAAGGAGATGCGTCGG
 GCCTTCATCCGGATCATGCTGCTGCAAGTGCCCGAGCGGAGACTCTGCTGGCAATTC
 AAGCGACCCATCATCGCCGGCATGGAATTCAGCCGAGCAAATCGGACAATTCCTCCAC
 CCCAGAAAGACGAAGGGGACAACCCAGAGACCATTATGCTTCTGAAAACGTCAACTCT
 TCTTCCTAG



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001400 unedited
 GTTTAGAATTGTATACGACTCCTATAGGCGGCCGCGNAATCGGCACGAGGCGCCACCCCG
 GCTTCCTGGGGACACAGGGTTGGCACCATTGGGGCCACCAGCGTCCCCTGGTCAAGGCC
 CACCGCAGCTCGGTCTCTGACTACGTCAACTATGATATCATCGTCCGGCATTACAACCTAC
 ACGGGAAAGCTGAATATCAGCGCGGACAAGGAGAAGCAGCATTAACTGACCTCGGTGGTG
 TTCATTCTCATCTGCTGCTTTATCATCCTGGAGAACATCTTTGTCTTGCTGACCATTGG
 AAAACCAAGAAATCCACCGACCCATGTACTATTTTATTGGCAATCTGGCCCTCTCAGAC
 CTGTTGGCAGGAGTAGCCTACACAGCTAACCTGCTCTTGCTGGGGCCACCACCTACAAG
 CTCACCTCCCGCCAGTGGTTTCTGCGGGAAGGAGTATGTTTGTGGCCCTGTCAGCCTCC
 GTGTTCACTCTCCTCGCCATCGCCATTGAGCGCTATATCACAATGCTGAAAATGAAACTC
 CACAACGGGAGCAATAACTTCCGCCTCTTCTGCTAATCAGCGCCTGCTGGGTCTCTCC
 CTCATCCTGGGTGGCCTGCCTATCATGGGCTGAACTGCATCAGTGCCTGTCCAGCTGC
 TCCACCGTGTCCGCTCTACCACAAGCACTATATCCTCTTCTGCACCACGGTCTTCACT
 CTGCTTCTGCTCTCCATCGTCATTCTGTACTGCAGAATCTACTCCTTGGTCANGACTCGG
 AGCCGCCGCTGACGTTCCCGCAGAACATTTCCAAGGCCAGCCGAGCTCTGAGAAGTCG
 CTGGCGTGTCAAGACGTAATTATCGTCTGAGCGTCTCATCGCTGTGGGCACCGT
 TCTTCATCCTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001400 unedited
 AAATAATTTTTATGTTTAAAGTTGATAAAGCTATGTGCAAAATGATCCACAAAAGTCAGA
 AACCTATTAATACTATTCTTTTTAAAAAACAAGACATCTCTCGGTTTAAATTGCACNTG
 AAAACCACTAAAGAGACAGTAATATATTTTTATTCTTTGTAATATTTATACATATCTT
 CAATTACTATCTAATGAATAGCTGGACTGAAAAGTTTCTGGCGTCCCTACCAGTTAAAG
 TAATGCTTTTAAAGGCACAAGAGGGTGGTATTTTCTTAAGAAATACACATTCAATGGTGT
 TAACACGGGTTAGAAAAATCCAATAAAATGACTTCTGCTGAAACAATACATTCAAAAAAT
 CAAGAAAAGTACTTTTAAACAACAAAATACAACCATGTTGTTGCTTGAATGAATCACACA
 CAACATTCTGAAATAACATCAACAAAAGTGCCAAAGACAGATGTCATATTTGTTAGACT
 CATTTGCTAAGAAATCTCCCTGGTTTGCAAAAGTTAATCCATTCCGTTTTCACTTTGTT
 TTGCTTGTCTGTTTCTCCTAGGACCAAGGATCCTGGCTAATATCATTTAGATAAAGTG
 GGCTTCTTATGCAGATTTCCGCTTCAATGGATATGAAATGGTAACACATTTCAATTGAAA
 AGATGTTTTTTAAAGAAATCAAAGTGACTTCAACCAAATCCAAANAACGGATCCCGCTTA
 CATGGAAAATTTGGCCTCAGCGAAGGACATTGTTTTACACTCCAAACATCTTCACTTTT
 CACAGCCTACGTACTCACATAGGCTATTTGCTATGATGAACGATCATCCACAACCCACC
 TTTNNTAATTTACAGTGGTTAAAGATAAAGGAAAAAACCTNAGGAGGTTGAAAGAAGG
 AGGGCNGNGTTTTCTAATTACAAGCATCCCCAAACACCNNNCTACACTCACTTTNTNN
 AACTAACGAGCGAACCTT

Restriction Sites:

NotI-NotI

ACCN:

NM_001400

Insert Size:

2590 bp

OTI Disclaimer:

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).

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_001400.2 , NP_001391.2
RefSeq Size:	2753 bp
RefSeq ORF:	1149 bp
Locus ID:	1901
UniProt ID:	P21453
Cytogenetics:	1p21.2
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	<p>The protein encoded by this gene is structurally similar to G protein-coupled receptors and is highly expressed in endothelial cells. It binds the ligand sphingosine-1-phosphate with high affinity and high specificity, and suggested to be involved in the processes that regulate the differentiation of endothelial cells. Activation of this receptor induces cell-cell adhesion. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.</p>