

Product datasheet for **RC204608**

EDG1 (S1PR1) (NM_001400) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EDG1 (S1PR1) (NM_001400) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	EDG1
Synonyms:	CD363; CHEDG1; D1S3362; ECGF1; EDG-1; EDG1; S1P1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC204608 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGCCACCAGCGTCCCGCTGGTCAAGGCCACCGCAGCTCGGTCTCTGACTACGTCAACTATGATA
TCATCGTCCGGCATTACAACACACGGGAAAGCTGAATATCAGCGCGGACAAGGAGAACAGCATTAACT
GACCTCGGTGGTGTTCATTCTCATCTGCTGCTTTATCATCCTGGAGAACATCTTTGTCTTGCTGACCATT
TGGAAAACCAAGAAATCCACCGACCCATGTAATTTTATTGGCAATCTGGCCCTCTCAGACCTGTTGG
CAGGAGTAGCCTACACAGCTAACCTGCTCTGTCTGGGGCCACCCTACAAGCTCACTCCCGCCAGTG
GTTTCTGCGGGAAGGGAGTATGTTTGTGGCCCTGTGAGCCTCCGTGTTCACTCTCCTCGCCATCGCCATT
GAGCGCTATATCAATGCTGAAATGAACTCCACAACGGGAGCAATAACTCCGCCTCTTCTGCTAA
TCAGCGCCTGCTGGGTCACTCCCTCATCTGGGTGGCCTGCCTATCATGGGTGGAAGTGCATCAGTGC
GCTGTCCAGCTGCTCCACCGTGTGCGCTCTACCACAAGCACTATATCCTCTTCTGCACCACGGTCTTC
ACTCTGCTTCTGCTCTCCATCGTCATTCTGTAAGTGCAGAACTACTCCTTGGTCAAGGACTCGGAGCCGCC
GCCTGACGTTCCGCAAGAACATTTCAAGGCCAGCCGAGCTCTGAGAAGTCGCTGGCGTGTCTCAAGAC
CGTAATTATCGTCTGAGCGTCTTCATCGCCTGCTGGGACCCTCTTCATCCTGCTCCTGCTGGATGTG
GGCTGCAAGGTGAAGACCTGTGACATCCTCTTCAAGCGGAGTACTTCTGGTGTAGCTGTGCTCAAT
CCGGCACCAACCCATCATTTACACTCTGACCAACAAGGAGATGCGTCCGGCCTTCATCCGGATCATGTC
CTGCTGCAAGTGCCCGAGCGGAGACTCTGCTGGCAAATTAAGCGACCCATCATCGCCGGATGGAATTC
AGCCCGAGCAAATCGGACAATTCCTCCACCCCGAAAGACGAAGGGGACAACCCAGAGACCATTATGT
CTTCTGGAACGTCAACTCTTCTTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online >](#)

Reconstitution Method:

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_001400.5](#)

RefSeq Size: 3050 bp

RefSeq ORF: 1149 bp

Locus ID: 1901

UniProt ID: [P21453](#)

Cytogenetics: 1p21.2

Domains: 7tm_1

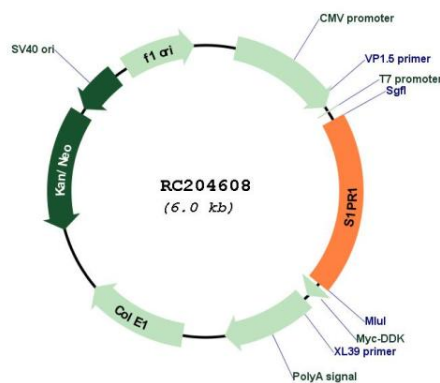
Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

MW: 42.8 kDa

Gene Summary: 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]

Product images:



Circular map for RC204608