

Product datasheet for SC116857

EDG3 (S1PR3) (NM_005226) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EDG3 (S1PR3) (NM_005226) Human Untagged Clone
Tag:	Tag Free
Symbol:	EDG3
Synonyms:	EDG-3; EDG3; LPB3; S1P3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116857 sequence for NM_005226 edited (data generated by NextGen Sequencing)

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ATGGCAACTGCCCTCCC GCCGCTCCAGCCGGTGCGGGGGAACGAGACCTGCGGGAG
CATTACCAGTACGTGGGGAAGTTGGCGGGCAGGCTGAAGGAGGCCTCCGAGGGCAGCACG
CTCACCACCGTGCTCTTCTTGGTCATCTGCAGCTTCATCGTCTTGAGAACCTGATGGTT
TTGATTGCCATCTGGAAAAACAATAAATTTACAACCGCATGTACTTTTTATTGGCAAC
CTGGCTCTCTGCGACCTGCTGGCCGGCATCGCTTACAAGGTCAACATTCTGATGTCTGGC
AAGAAGACGTTTCAGCCTGTCTCCACGGTCTGGTTCCTCAGGGAGGGCAGTATGTTCTGTG
GCCCTTGGGGCGTCCACCTGCAGCTTACTGGCCATCGCCATCGAGCGGCACCTTGACAATG
ATCAAAATGAGGCCTTACGACGCCAACAAGAGGCACCGCTCTTCTCCTGATCGGGATG
TGCTGGCTCATTGCCTTACGCTGGGCGCCCTGCCATTCTGGGCTGGAAGTGCCTGCAC
AATCTCCCTGACTGCTCTACCATCTGCCCTCTACTCCAAGAAGTACATTGCCTTCTGC
ATCAGCATCTTACGGCCATCCTGGTGACCATCGTGATCTCTACGCACGCATCTACTTC
CTGGTGAAGTCCAGCAGCCGTAAGGTGGCCAACCAACAACCTCGGAGCGGTCCATGGCA
CTGCTGCGGACCGTGGTATTGTGGTGAGCGTGTTCATCGCCTGCTGGTCCCCACTCTTC
ATCCTCTTCTCATTGATGTGGCTGCAGGGTGCAGGCGTGGCCATCCTCTTCAAGGCT
CAGTGGTTCATCGTGTGGCTGTGCTCAACTCCGCCATGAACCCGGTTCATCTACACGCTG
GCCAGCAAGGAGATGCGGCGGGCCTTCTCCGTCTGGTCTGCAACTGCCTGGTCAGGGGA
CGGGGGCCCGCGCTCACCCATCCAGCCTGCGCTCGACCCAAGCAGAAGTAAATCAAGC
AGCAGCAACAATAGCAGCACTCTCCGAAGGTCAAGGAAGACCTGCCCCACACAGCCCCC
TCATCCTGCATCATGGACAAGAACGCAGCACTTCAAGTGGGATCTTCTGCAACTGA

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Clone variation with respect to NM_005226.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005226 unedited
 ACTATAGGGCGGCGCAATTCGGCACGAGGCGGTTCCGGGGACGGGCAACAGGGACTCA
 GGGACCAGAAGGCGGCTGCAGGACGCGACCGAGCAGGACCCAGGCCCGGGAACGACGTC
 GCGAGCGCTGAGACTGCCGGGCTCCAGCCATCTGGCATTGAGCGCAGGACCGGGCG
 CCCCAGCACCGCCGCGGCCACCCGCTAGGATGCCGGTGGCCCCAGCGCCCTCAGCCGAC
 GGAGGAGCCCTTTTCAACGCCCTCGCTGGAGTCTGGCCTGCACGCCCTTCTGTAATGAAG
 CCGGAACCTCAGCCCCGCTTCCCTTTGAAATGAATGTTCCCTGGGGCGCCCTCTCGTGGAT
 TTTGGAGCTAATCGTCTGTGAATGCCAAGTGATGGCAACTGCCCTCCCGCCGCTCTCCA
 GCCGGTGCNGGGAACGAGACCTGCGGGAGCATTACCAGTACGTGGGAAGTTGGCGGG
 CAGGCTGAAGGAGGCTCCGAGGGCAGCAGCTACCACCGTGTCTTCTGGGTCACTG
 CAGCTTACGCTGGGAGAACCTGATGTTNTGATTGCCATCTGGNAAAAACATANATN
 TCACAACCGCATGTACTTTTTCATTGGCAACCTGGCTCTCTGCGACCTGTGGGCCGAT
 CGTTACAAGGTCACATTCTGATGTCTGGCAAGAAGACGTTACAGCTGTCTCCACGGTC
 TGGTCTCAGGGAGGGCAGTATGTTTCGTTGCCCTTGGGGCGTCCACCTGCAGCTTACT
 GGCCATCGCCATCGAGCGGCACCTGGACATGATCAAATGAGGCCTTACGACGCCACAGG
 AGGCACNGNTTTTCTCCTGACGGGATGTGCTGCTCATTGCCCTACCCGGGGCGCCTGCC
 ATTTTGGCTGAAGTGTGCAATTCCTGATGTTTACATCCTGCCCTTACTCAGAAGACA
 TGGCTCTGATACATTTTACGCCTCTGTGACAATGGATCTTACCCCTTC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005226 unedited
 CGCGGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTGGGTTTCCACAAAGGCTT
 TTGGTTTTATTATTATTATTTTAAACAACATACACTTGGAAATAGTAAAGGTTTCTAAT
 TGAAAAGAGACCTAATGCATAGTTTCTCTGCAGCATAGAAGACCCTGTTTCCAAACTT
 CAAAGTTAGGGCTTTGAAACATTCCTGGTAAATTATCTCCAGCTGGCTAGCTAGTTAGG
 CATATTGGTGACATTGGTATCAAAGGTGATTATTTTTGCATTTAGCAAATGAGCGCTA
 TTAATTTTTGATGATTTTTAATTGATTGCTCAAAAGTCTTGTATTTCAGGGGAGC
 CTTATGTCATACCACAAATATTGATACCTCCTAGTGGAAATGGTGGCTGTGGGCTCCCTA
 GTAGAGTTAATGGATGAAGGCTGAGATACTTAGATACTGCGGACATCAGGGTTATGGAGC
 AAAGTGTATGAACAATAGCTACAGAGAGCTCCAAGTCTCCAAAGCAACTCATAACTAT
 AACACAGATAAAGTTCCAAAGTCATTTTCATCACCTATGTGAAAATGCAATACTGAATGTT
 TTGGCTCTGATGCATTTTGGTGGTGGTTATTTATTATTATTATTTTTTTGAGACA
 GAGGGTCGCTCTGTACCAGCCTGGGGAATGCANTGGTGCATCTTGGGCTCACTGCAAT
 CTCCGGCTCCCGGTTTGGAGCAACTCTTCAGCCTCAGCCCTCCCGAGTAGCTGGGACTAC
 AGGCACGTGCTATCCGATTGAGTAATTTTTGTATTTTGTAGTAAACAGGATTTCACTT
 TGTGGGCCAGGCTGGTCCCAACTTCTGGACTCAGGGTGTATCCCCCGCCTCTAGCCTC
 CCAAAGTCTTGGGATTACAGGGGGAAGCCCTGGCCCCAACCTGTTGTGTTTTTCTT
 AATCCCGTCTTAAACGTTTTACT

Restriction Sites:

NotI-NotI

ACCN:

NM_005226

Insert Size:

4350 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:	<p>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).</p>
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_005226.2 , NP_005217.2
RefSeq Size:	4221 bp
RefSeq ORF:	1137 bp
Locus ID:	1903
UniProt ID:	Q99500
Cytogenetics:	9q22.1
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	<p>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]</p>