

Product datasheet for SC117757

EDG6 (S1PR4) (NM_003775) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EDG6 (S1PR4) (NM_003775) Human Untagged Clone
Tag:	Tag Free
Symbol:	EDG6
Synonyms:	EDG6; LPC1; S1P4; SLP4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117757 sequence for NM_003775 edited (data generated by NextGen Sequencing)

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ATGAACGCCACGGGGACCCCGGTGGCCCCGAGTCTGCCAACAGCTGGCGGCCGCGGGG
CACAGCCGGCTCATTGTTCTGCACTACAACCACTCGGGCCGGCTGGCCGGGCGCGGGGG
CCGGAGGATGGCGGCTGGGGCCCTGCGGGGGCTGTCGGTGGCCGACGCTGCCTGGTG
GTGCTGGAGAAGTGTGGTGTGGCGCCATACCAGCCACATGCGGTACGACGCTGG
GTCTACTATTGCCTGGTGAACATCACGCTGAGTGACCTGCTCACGGGCGCGGCCTACCTG
GCCAAGTGTGCTGTGGGGGCCCGCACCTTCCGTCTGGCGCCCGCCAGTGGTTCTTA
CGGGAGGCTGCTCTTACCAGCCCTGGCCGCTCCACCTTACGCTGCTTTCAGTCA
GGGAGCGCTTTGCCACCATGGTGGCCGGTGGCCGAGAGCGGGGCCACCAAGACCAGC
CGCGTCTACGGCTTCATCGGCCTCTGCTGGCTGCTGGCCGCGCTGCTGGGGATGCTGCCT
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TCCAAGCGCTACATCCTCTTCTGCTGGTATCTTCGCCGGCGTCTGGCCACCATCATG
GGCCTCTATGGGGCCATCTTCCGCTGGTGCAGGCCAGCGGGCAGAAGGCCCCACGCCCA
GCGGCCCGCCGCAAGGCCCGCCGCTGCTGAAGACGGTGTGATGATCCTGCTGGCCTTC
CTGGTGTGCTGGGGCCACTCTTCCGGCTGCTGCTGGCCGACGCTTTGGCTCCAACCTC
TGGGCCAGGAGTACCTGCGGGCATGGACTGGATCCTGGCCCTGGCCGCTCCTCAACTCG
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TTCTCTGCTGCGGGTGTCTCCGGTGGCATGCGAGGGCCCGGGGACTGCTGGCCCGG
GCGCTCGAGGCTCACTCCGGAGCTTCCACCACCGACAGCTCTCTGAGGCCAAGGGACAGC
TTTCGCGCTCCCGCTCGCTCAGCTTTCGGATGCGGGAGCCCTGTCCAGCATCTCCAGC
GTGCGGAGCATCTGA

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Clone variation with respect to NM_003775.3
231 g=>a



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003775 unedited
 GTCACATTTTGTAAACGAACTCACTATAGGGCGGCCGGAATTCGCACCAGCCCGGGG
 AGGCCATGAACGCCACGGGGACCCCGGTGGCCCCGAGTCCTGCCAACAGCTGGCGGCCG
 GCGGGCACAGCCGGCTCATTGTTCTGCACTACAACCACTCGGGCCGGCTGGCCGGGCGCG
 GGGGGCCGGAGGATGGCGGCCTGGGGCCCTGCGGGGGCTGTCCGTGGCCGCCAGCTGCC
 TGGTGGTGTGGAGAACTTGTGGTGTGGCGGCCATACCAGCCACATGCGGTACAGAC
 GCTGGGTCTACTATTGCCTGGTGAACATCACGCTGAGTGACCTGCTCACGGGCGCGGCCT
 ACCTGGCCAACGTGCTGCTGTCGGGGGCCGCACCTTCCGTCTGGCGCCCGCCAGTGGT
 TCCTACGGGAGGGCCTGCTCTTACCAGCCCTGGCCGCCTCCACCTTCAGCCTGCTTCA
 CTGCAGGGGAGCGCTTTGCCACCATGGTGGCGCCGGTGGCCGAGAGCGGGGCCACCAAGA
 CCAGCCGCGTCTACGGCTTACCGCCTCTGCTGGCTGCTGGCCGCGCTGCTGGGGATGC
 TGCCTTTGCTGGGCTGGAAGTGCCTGTGCGCCTTTGACCCTGCTCCAGCCTTCTGCCCC
 TCTACTCCAAGCGCTACATCCTTCTGCCTGGTATCTTCGCCGGCGTCTGGCCACCA
 TCATGGGCCTCTATGGGGCCATCTTNCNCTGGTGCANGCCANCGGGCANAAGGGCCAC
 GCCCAGCGGCNCCGCGCAAGGGCCGNCCTGCTGGAGACGGNGCTGATGATCCTGCTGG
 NNCTNCTGGGGTGTGGGGCCACTCTTCGGCTGCTGCTGGCCGACCTCTTTTGTCCAA
 CTCTGGCCCCAGATACCTCGGGCATGAAGTGGATCTGCCCTGCCGTCTCAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003775 unedited
 TTTNNCCCTATCACTAAGNAACCGCGCCGAANCTAGNGATCGATTTTTTTTTTTTTTTT
 TTCC
 AAAACAAACTTTAAGGGTGCCAGGGGATGCATCCAAAATCCACCCCTTGGAGCCTGGG
 AACCTAATGAGGCCAAAAGAGGGGCCGGACTTCCCCAAAAACAAAAAACGGGGT
 TGGGGGAAACCACTCCCCCCCCACCAGGGGCTTTTTGTTCTAAGGGGAGGGGGGG
 GGTGCCCCCTTTTCCAGGGGACCATGGGAAACCCATTTGGGGTCAAAAACCCCAAAAG
 GCCCCCGGAAAAACATGGGGCCCTGTCCCGTTCCTGGTCCCCAAAAGGGAAAGGTGG
 GTGCACACAGTTTTTTTACCCAAAAGGGCCTGCCTGGGACCCACCCGGGGGTTCCCC
 CTCCCCACCAAAAACGGAATTTTAAAATCCCCCACCCTGAAAAATCTTGAAAGGGGCC
 CCCCCATCCAAAACCTTAACCAAGGGGAGCCCCAAAACCTTCCCTTGGCCCCAAAAAC
 TTTCCGGGGGGGAAACCCCGAATGAGCCTTTAAAGGGCCGGGCAAGAAATCCCCGGGC
 CCTTTAATGCCCCAGCGGAAAAACCCCAAAAAAATAAACCAGGGTTTTGAAACC
 CCCCCTTGTGGAAAAAATAATAAAAAGGGTTTACCCCCCATTTAAGAACCAGCAAG
 GGCAAAATATTCTTCTTAGCCCCAGTTTTTTCTGGGGCCCCAAAGGTTAGAACCAAA
 AAATTTGGGCCAAAAAAACCCAAAAAAGGGCCCCCACACCAC

Restriction Sites:

NotI-NotI

ACCN:

NM_003775

Insert Size:

1750 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:

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_003775.1](#), [NP_003766.1](#)

RefSeq Size: 1566 bp

RefSeq ORF: 1155 bp

Locus ID: 8698

UniProt ID: [O95977](#)

Cytogenetics: 19p13.3

Domains: 7tm_1

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

Gene Summary: This gene is a member of the endothelial differentiation, G-protein-coupled (EDG) receptor gene family. EDG receptors bind lysophospholipids or lysosphingolipids as ligands, and are involved in cell signalling in many different cell types. This EDG receptor gene is intronless and is specifically expressed in the lymphoid tissue. [provided by RefSeq, Jul 2008]