

Product datasheet for **RG204887**

EDG6 (S1PR4) (NM_003775) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EDG6 (S1PR4) (NM_003775) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EDG6
Synonyms:	EDG6; LPC1; S1P4; SLP4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204887 representing NM_003775 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACGCCACGGGGACCCCGGTGGCCCCGAGTCTGCCAACAGCTGGCGGGCGGGCCAGCCGGC
TCATTGTTCTGCACTACAACCACTCGGGCCGGCTGGCCGGGCGCGGGGGCCGGAGGATGGCGGCCCTGGG
GGCCCTGCGGGGGCTGTCGGTGGCCGACGCTGCCTGGTGGTGTGGAGAACTTGTGGTGTGGCGGCC
ATCACCAGCCACATGCGGTGCGGACGCTGGGTCTACTATTGCCTGGTGAACATCACGCTGAGTGACCTGC
TCACGGGCGCGGCTACCTGGCCAACGTGCTGCTGCGGGGGCCCGCACCTTCCGTCTGGCGCCCCCA
GTGGTTCCCTACGGGAGGGCCTGCTCTTACCGCCCTGGCCGCTCCACCTTACAGCCTGCTTCACTGCA
GGGAGCGCTTTGCCACCATGGTGC GGCCGGTGGCCGAGAGCGGGGCCACCAAGACCAGCCGCTACG
GCTTTCATCGCCCTCTGCTGGTGTGGCCGCGTGTGGGGATGCTGCCTTTGCTGGGCTGGAAGTGCCT
GTGCGCCTTTGACCGCTGCTCCAGCCTTCTGCCCTCTACTCCAAGCGCTACATCCTCTTCTGCCTGGT
ATCTTCGCGCGCTCTGGCCACCATCATGGCCCTCTATGGGGCCATCTTCCGCTGGTGCAGGCCAGCG
GGCAGAAGGCCCCACGCCAGCGGCCCGCCGAAGGCCCGCCGCTGTGAAGACGGTGTGATGATCCT
GCTGGCCTTCTGGTGTGCTGGGGCCACTCTTCGGGCTGCTGCTGGCCGACGCTTTGGCTCCAACCTC
TGGGCCAGGAGTACCTCGGGGATGGACTGGATCCTGGCCCTGGCCGCTCAACTCGCGGGTCAACC
CCATCATCTACTCTTCCGAGCAGGGAGGTGTGAGAGCCGTGCTCAGCTTCTCTGCTGCGGGTGTCT
CCGGCTGGGATGCGAGGGCCCGGGACTGCTGGCCCGGGCCGTCGAGGCTCACTCCGGAGCTTCCACC
ACCGACAGCTCTGAGGCCAAGGGACAGCTTTCGCGGCTCCCGCTCGCTCAGCTTTCGGATGCGGGAGC
CCCTGTCCAGCATCTCCAGCGTGC GGAGCATC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG204887 representing NM_003775
 Red=Cloning site Green=Tags(s)

MNATGTPVAPESCQQLAAGGHSRLIVLHYNHSGRLAGRGGPEDGGLGALRGLSVAASCLVLENLLVLA
 ITSHMRSRRWVYCLVNITLSDLLTGAAYLANVLLSGARTFRLAPAQWFLREGLLFTALAASTFSLLF
 GERFATMVRPVAESGATKTSRVYGFILGCWLLAALLGMLPLLGNWCLCAFDRCSLLPLYSKRYILFCLV
 IFAGVLATIMGLYGAIIFRLVQASGQKAPRPAARRKARRLLKTVLMILLAFVLCWGPLFGLLLADVFGSNL
 WAQEYLRGMDWILALAVLNSAVNPPIIYSFRSREVCRAVLSFLCCGCLRLGMRGPGDCLARAVEAHS
 GASTTSSLRPRDSFRGSRSLSFRMREPLSSISSVRSI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003775

ORF Size: 1152 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_003775.4](#)

RefSeq Size: 1582 bp

RefSeq ORF: 1155 bp

Locus ID: 8698

UniProt ID: [O95977](#)

Cytogenetics: 19p13.3

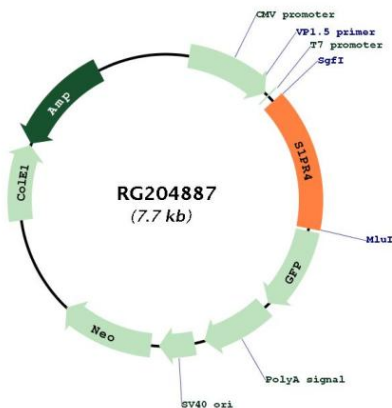
Domains: 7tm_1

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]

Product images:



Circular map for RG204887