

Product datasheet for RC206444L3

OriGene Technologies, Inc.

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EDG4 (LPAR2) (NM_004720) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: EDG4 (LPAR2) (NM_004720) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: EDG4

Synonyms: EDG-4; EDG4; LPA-2; LPA2

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

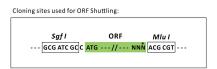
Sgfl-Mlul

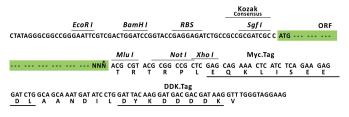
E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC206444).

Sequence:

Restriction Sites: Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_004720

ORF Size: 1053 bp





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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: <u>NM 004720.4</u>

RefSeq Size: 1803 bp
RefSeq ORF: 1056 bp
Locus ID: 9170

UniProt ID: Q9HBW0

Cytogenetics: 19p13.11

Domains: 7tm 1

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

MW: 39.1 kDa

Gene Summary: This gene encodes a member of family I of the G protein-coupled receptors, as well as the

EDG family of proteins. This protein functions as a lysophosphatidic acid (LPA) receptor and

contributes to Ca2+ mobilization, a critical cellular response to LPA in cells, through

association with Gi and Gq proteins. An alternative splice variant has been described but its

full length sequence has not been determined. [provided by RefSeq, Jul 2008]