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Product datasheet for RC206065L4V

EDG2 (LPAR1) (NM_001401) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	EDG2 (LPAR1) (NM_001401) Human Tagged ORF Clone Lentiviral Particle
Symbol:	EDG2
Synonyms:	edg-2; EDG2; Gpcr26; LPA1; Mrec1.3; rec.1.3; vzg-1; VZG1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001401
ORF Size:	1092 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206065).
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.
RefSeq:	NM_001401.3
RefSeq Size:	3104 bp
RefSeq ORF:	1095 bp
Locus ID:	1902
UniProt ID:	Q92633
Cytogenetics:	9q31.3
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane

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Protein Pathways: Gap junction, Neuroactive ligand-receptor interaction

MW: 41.1 kDa

Gene Summary: The integral membrane protein encoded by this gene is a lysophosphatidic acid (LPA) receptor from a group known as EDG receptors. These receptors are members of the G protein-coupled receptor superfamily. Utilized by LPA for cell signaling, EDG receptors mediate diverse biologic functions, including proliferation, platelet aggregation, smooth muscle contraction, inhibition of neuroblastoma cell differentiation, chemotaxis, and tumor cell invasion. Many transcript variants encoding a few different isoforms have been identified for this gene. [provided by RefSeq, Oct 2020]