

Specifications:

Gene:	<i>h</i> LPAR3/EDG-7
Accession:	NP_036284
Insert size:	1075bp
Concentration:	10µg at 0.2µg/µL

*h*LPAR3/EDG-7 cDNA Plasmid

**LPAR3 lysophosphatidic acid
receptor 3 [*Homo sapiens*]**

Also known as: EDG7; GPCR; LPA3;
Edg-7; LP-A3; HOFNH30; RP4-678I3

Summary:

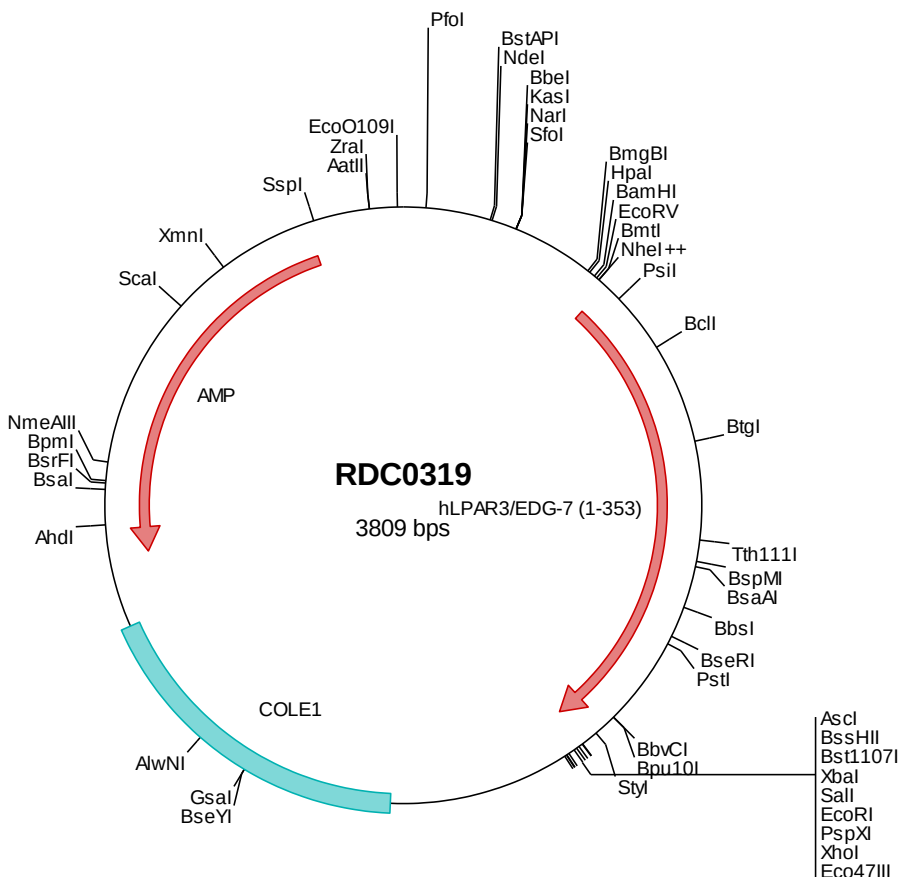
EDG-7 is a receptor for lysophosphatidic acid (LPA), a mediator of diverse cellular activities. This GPCR is coupled to the G(i)/G(o) and G(q) families of heteromeric G proteins. It is abundantly expressed in prostate, testes, pancreas, and heart, with moderate levels in lung and ovary. EDG-7 may play a role in the development of ovarian cancer.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.





> RDC0319 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
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201  ccgcacacagat gcgttaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagctt ggcgaagggt ggaatgtctg caaggcgatt aagtgggta acgccagggt tttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaatccgata tctgtagcgc ggccgcacac atgaatgagt gtcaactatga caagcacatg gaactttttt ataataggag
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601  gtcatogcgg cagtgatcaa aaacagaaaa tttcatttcc cctctacta cctgttggct aatttagctg ctgccgattt cttogctgga attgcctatg
701  tattcctgat gtttaacaca ggcacagttt caaaaacttt gactgtcaac cgtgtgttct tcctgcaggg gcttctggac agtagcttga ctgcttccct
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> RDC0319 Translated Insert Sequence

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201  imvvvylriy vyvkrktnvl sphtsgsisr rrtgpmklmkt vmtvlgafvv cwtgplvll ldglnrcqcg vqhvrwfill lallnsvnp iiysykdedm
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