

Specifications:

Gene:	hLPAR1/EDG-2
Accession:	NP_001392
Insert size:	1108bp
Concentration:	10µg at 0.2µg/µL

hLPAR1/EDG-2 cDNA Plasmid

LPAR1 lysophosphatidic acid receptor 1 [*Homo sapiens*]

Also known as: EDG2; LPA1; VZG1; GPR26; edg-2; vzg-1; Gpcr26; Mrec1.3; rec.1.3

Summary:

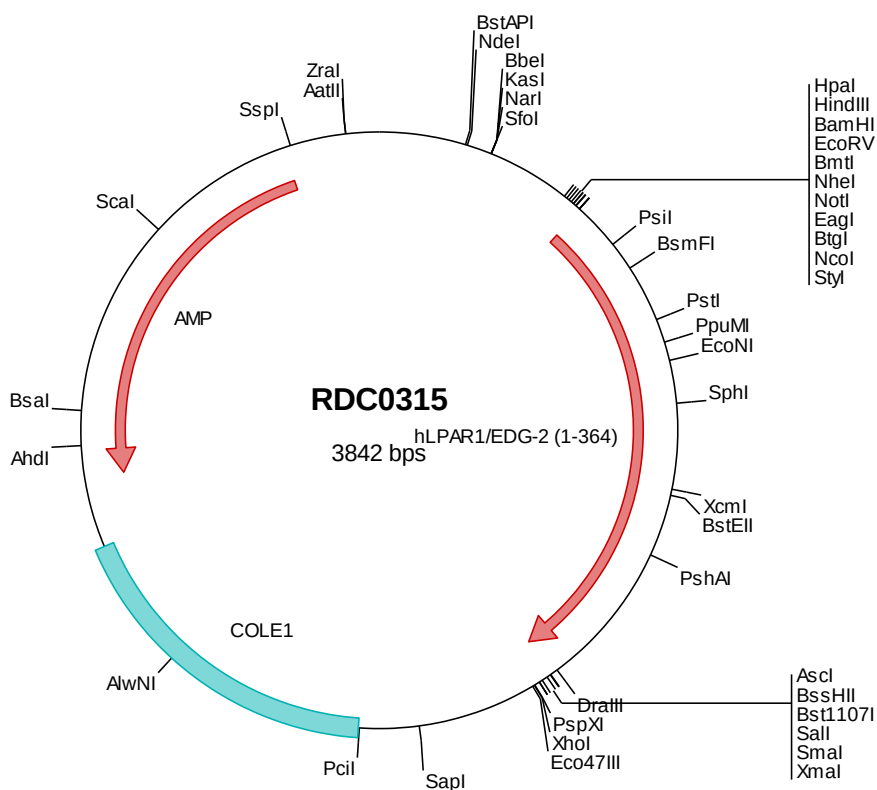
EDG-2 is a receptor for lysophosphatidic acid (LPA), a mediator of diverse cellular activities. It seems to be coupled to the G(i)/G(o), G(12)/G(13), and G(q) families of heteromeric G proteins. EDG-2 interacts with RALA and ADRBK1 and stimulates phospholipase C (PLC) activity in a manner that is dependent on RALA activation. EDG-2 is expressed in many adult organs, including brain, heart, colon, small intestine, placenta, prostate, ovary, pancreas, testes, spleen, skeletal muscle, and kidney. EDG-2 plays a role in angiogenesis in tumor cells and xenografts.

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.





> RDC0315 Plasmid DNA Sequence

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> RDC0315 Translated Insert Sequence

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