

Specifications:

Gene:	hLPAR5
Accession:	NP_065133
Insert size:	1132bp
Concentration:	10µg at 0.2µg/µL

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.

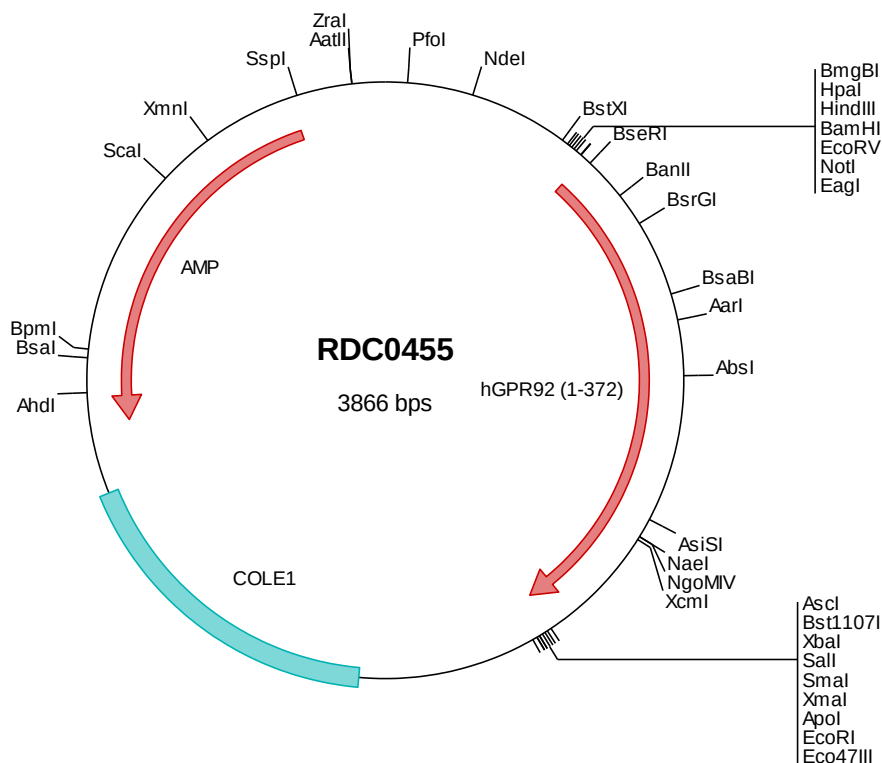
hLPAR5/GPR92 cDNA Plasmid

LPAR5 lysophosphatidic acid receptor 5 [*Homo sapiens*]

Also known as: LPA5; GPR93; KPG_010

Summary:

GPR92 is a member of the rhodopsin class of G protein-coupled receptors (GPCRs). This protein transmits extracellular signals from lysophosphatidic acid to cells through heterotrimeric G proteins and mediates numerous cellular processes. GPR92 is abundantly expressed by human mast cells and important for lysophosphatidic acid induced MIP-1β release. GPR92 expression in chronic lymphocytic leukemia leads to cell survival mediated through vascular endothelial growth factor (VEGF) expression.





> RDC0455 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
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201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaagggt ggaatgtctg caaggcgatt aagtttggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgattt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcacac atgttagcca acagctcctc aaccaacagt tctgttctcc cgtgtcctga
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> RDC0455 Translated Insert Sequence

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201  llplaavvys sgrvfwtlar pdatqsqrrr ktvrlillanl vifllcfvpy nstlavygll rsklvaasvp ardrvrgvlm vmvllaganc vldplvyfys
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```