

Product datasheet for RC209907

GPR92 (LPAR5) (NM_020400) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | GPR92 (LPAR5) (NM_020400) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | GPR92 |
| Synonyms: | GPR92; GPR93; KPG_010; LPA5 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC209907 representing NM_020400 Red=Cloning site Blue=ORF Green=Tags(s) |

GCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGGCGCCAGATCTC
AAGCTTAACTAGCTAGCGGACCGAC

ATGTTAGCCAACAGCTCCTCAACCAACAGTTCTGTTCTCCCGTGTCTGACTACCGACCTACCCACCGCC
TGCACCTGGTGGTCTACAGCTTGGTGTGGCTGCCGGCTCCCCCTAACGCGCTAGCCCTCTGGGTCTT
CCTGCGCGCGTGCAGCTCGGTGGTGGTGTGATGTGTAACCTGGCGCCAGCGACCTGCTC
TTCACCTCTCGCTGCCGTTCTCTCTACTACGCACTGCACCACTGGCCCTCCCCGACCTCTGT
GCCAGACGACGGCGCCATCTTCCAGATGAACATGTACGGCAGCTGCATCTTCTGATGCTCATCAACGT
GGACCGCTACGCCGCATCGTGCACCCGCTGCGACTGCGCCACCTGCGGGCGCCCGCTGGCGCGGCTG
CTCTGCCGTGGGCGTGTGGGCGCTCATCCTGGTGTGGCGTGGCCGCGCCCGCTGCACAGGCCCTCGC
GTTGCCGTACCGGGACCTCGAGGTGCGCCTATGCTTCGAGAGCTTCAGCGACGAGCTGTGAAAGGCGAG
GCTGCTGCCCCCTCGTGTCTGGCCGAGGCGCTGGGCTTCTGCTGCCCCTGCGGCGGTTGGTCTACTCG
TCGGGCGAGTCTTCTGGACGCTGGCGGCCCGACGCCACGAGCCAGCGGCGGGCGGAAGACCGTGC
GCCTCTGCTGGTAACCTCGTATCTTCTGCTGTGCTTCGTGCCCTACAACAGCACGCTGGCGGTCTA
CGGGTGTGCGGAGCAAGCTGGTGGCGCCAGCGTGCCTGCCCGGATCGGTGCGCGGGTGTGATG
GTGATGGTGTGCTGGCCGGCGCAACTGCGTGTGACCCGCTGGTGTACTTTAGCGCCGAGGGCT
TCCGCAACACCCTGCGCGCCCTGGGCACTCCGCACCGGGCCAGGACCTCGGCCACCAACGGGACCGGGC
GGCGCTCGCGCAATCCGAAAGGTCGCGCTCACCACCGACGCCACCAGGCCGGATGCCGCCAGTCAGGGC
CTGCTCCGACCCTCCGACTCCACTCTCTGCTTCTTCCACACAGTGTCCCCAGGATTCCGCCCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC209907 representing NM_020400
 Red=Cloning site Green=Tags(s)

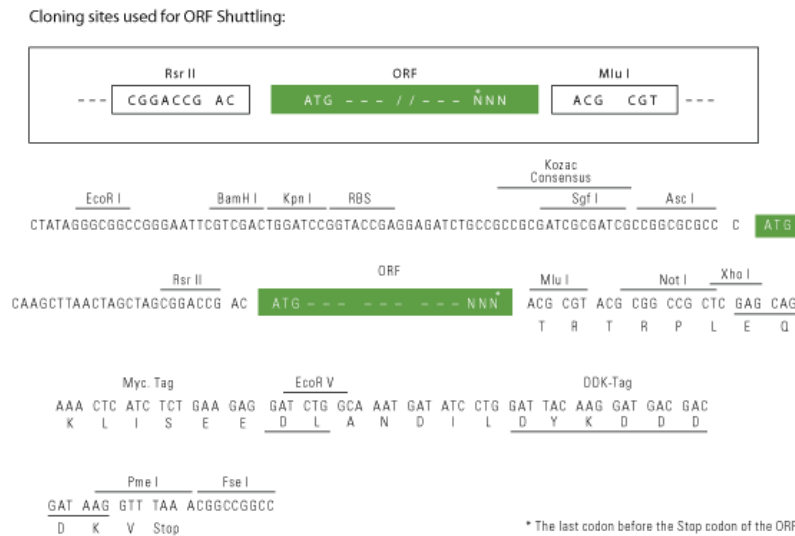
MLANSSSTNSSVLPDPYRPTHLHLVVYSLVLAAGLPLNALALWVFLRALRVHSSVVSVMCNLAASDLL
 FTL SLPVRLSYALHHWFPDLLCQTGAI FQNMNYGSCIFLML INVDRYAAIVHPLRLRHLRRPRVARL
 LCLGVWALILVFVPAARVHRPSRCRYRDLEVR LCFESF SDELWKGRLPLVLLAEALGFLPLAAVVYS
 SGRVFWTLARPDATQSQRRTKTVRLLLANLVI FLLCFVPYNSTLAVYGLLRSKLVAASVPARDVRGVLM
 VMVLLAGANCVLDPLVYYFSAEGFRNTLRGLGTPHRARTSATNGTRAALAQSERSAVTTDATRPDAASQG
 LLRPSDSHSLSSFTQCPQDSAL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8114_c02.zip

Restriction Sites: RsrII-MluI

Cloning Scheme:



ACCN: NM_020400

ORF Size: 1116 bp

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: [NM_020400.6](#)

RefSeq Size: 2855 bp

RefSeq ORF: 1119 bp

Locus ID: 57121

UniProt ID: [Q9H1C0](#)

Cytogenetics: 12p13.31

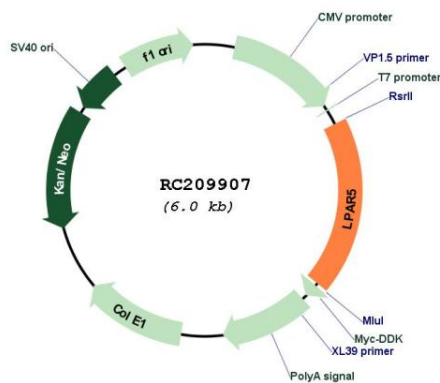
Domains: 7tm_1

Protein Families: Druggable Genome, GPCR, Transmembrane

MW: 41.3 kDa

Gene Summary: This gene encodes a member of the rhodopsin class of G protein-coupled transmembrane receptors. This protein transmits extracellular signals from lysophosphatidic acid to cells through heterotrimeric G proteins and mediates numerous cellular processes. Many G protein receptors serve as targets for pharmaceutical drugs. Transcript variants of this gene have been described.[provided by RefSeq, Dec 2008]

Product images:



Circular map for RC209907