

Product datasheet for **RG209953**

FPRL1 (FPR2) (NM_001005738) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FPRL1 (FPR2) (NM_001005738) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FPRL1
Synonyms:	ALXR; FMLP-R-II; FMLPX; FPR2A; FPRH1; FPRH2; FPRL1; HM63; LXA4R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209953 representing NM_001005738 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACCAACTTCTCCACTCCTCTGAATGAATGAAGAAGTGCCTATGAGTCTGCTGGCTACACTG
TTCTGCGGATCCTCCATTGGTGGTCTGGGGTACCTTTGTCCTCGGGTCTGGGCAATGGGCTTGT
GATCTGGGTGGCTGGATCCGGATGACACGCACAGTCACCACCATCTGTTACCTGAACCTGGCCCTGGCT
GACTTTTCTTTCACGGCCACATTACCATTCTCATTGTCTCCATGGCCATGGGAGAAAAATGGCCTTTG
GCTGGTTCCTGTGAAGTAAATTCACATCGTGGTGGACATCAACCTCTTGGAAAGTGTCTTCTTGATTGG
TTTCATTGCACTGGACCGCTGCATTTGTGTCCTGCATCCAGTCTGGGCCAGAACCCGCACTGTGAGT
CTGGCCATGAAGGTGATCGTCGGACCTTGATTCTTGCTCTAGTCCTTACCTTGCCAGTTTTCTCTTTT
TGACTACAGTAACTATTCCAAATGGGGACATACTGTACTTTCAACTTTGCATCCTGGGGTGGCACCCC
TGAGGAGAGGCTGAAGGTGGCCATTACCATGCTGACAGCCAGAGGGATTATCCGGTTTGTATTGGCTTT
AGCTTGCCGATGTCCATTGTTGCCATCTGCTATGGGCTCATTGCAGCCAAGATCCACAAAAGGGCATGA
TAAATCCAGCCGTCCTTACGGTCTCACTGCTGTGGTGGCTTCTTCTTCACTGTGTTGGTTCCCTT
TCAACTGGTTGCCCTTCTGGCACCGCTGGCTCAAAGAGATGTTGTTCTATGGCAAGTACAAAATCATT
GACATCCTGGTTAACCAACGAGCTCCCTGGCCTTCTTCAACAGCTGCCTCAACCCATGCTTTACGTCT
TTGTGGCCAAGACTTCCGAGAGAGACTGATCCACTCCCTGCCACCAAGTCTGGAGAGGGCCCTGTCTGA
GGACTCAGCCCCAACTAATGACACGGCTGCCAATTCTGCTTACCTCCTGCAGAGACTGAGTTACAGGCA
ATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG209953 representing NM_001005738
 Red=Cloning site Green=Tags(s)

METNFSTPLNEYEEVSYESAGYTVLRILPLVVLGVTFVLGVLGNGLVIWVAGFRMTRTVTTICYLNLALA
 DFSFTATLPFLIVSMAMGEKWPFGWFLCKLIHIVVDINLFGSVFLIGFIALDRICVLHPVWAQNHRTVS
 LAMKVIVGPWILALVLTLPVFLFTTIVIPNGDTYCTFNFASWGTPPEERLKVAITMLTARGIIRFVIGF
 SLPMSIVAICYGLIAAKIHKKGMKSSRPLRVLTAVVASFFICWFPPQLVALLGTVWLKEMLFYGYKII
 DILVNPSSLAFFNSCLNPMLYVFGQDFRERLIHSLPTSLERALSEDSAPTNDTAANSASPPAETELQA
 M

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja2393_c06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001005738

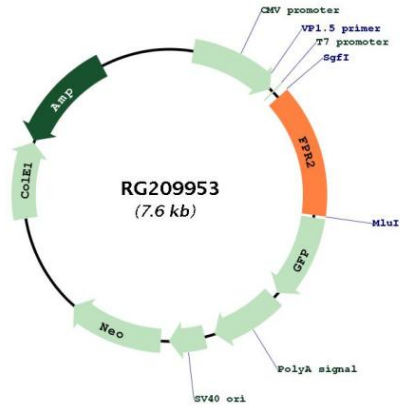
ORF Size: 1053 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<ol style="list-style-type: none">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_001005738.2
RefSeq Size:	1921 bp
RefSeq ORF:	1056 bp
Locus ID:	2358
UniProt ID:	P25090
Cytogenetics:	19q13.41
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	Low affinity receptor for N-formyl-methionyl peptides, which are powerful neutrophil chemotactic factors (PubMed:1374236). Binding of FMLP to the receptor causes activation of neutrophils (PubMed:1374236). This response is mediated via a G-protein that activates a phosphatidylinositol-calcium second messenger system (PubMed:1374236). The activation of LXA4R could result in an anti-inflammatory outcome counteracting the actions of proinflammatory signals such as LTB4 (leukotriene B4) (PubMed:9547339). Receptor for the chemokine-like protein FAM19A5, mediating FAM19A5-stimulated macrophage chemotaxis and the inhibitory effect on TNFSF11/RANKL-induced osteoclast differentiation (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG209953