

Product datasheet for RC206600

FPRL1 (FPR2) (NM_001462) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FPRL1 (FPR2) (NM_001462) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FPRL1
Synonyms:	ALXR; FMLP-R-II; FMLPX; FPR2A; FPRH1; FPRH2; FPRL1; HM63; LXA4R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC206600 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAACCAACTTCTCCACTCCTCTGAATGAATGAAGAAGTGTCTATGAGTCTGCTGGCTACACTG
TTCTGCGGATCCTCCATTGGTGGTGCTGGGGTACCTTTGTCTCGGGTCTGGGCAATGGGCTTGT
GATCTGGGTGGCTGGATCCGGATGACACGCACAGTCACCACCATCTGTTACCTGAACCTGGCCCTGGCT
GACTTTTCTTTCACGGCCACATTACCATTCTCATTGTCTCCATGGCCATGGGAGAAAAATGGCCTTTTG
GCTGGTTCCTGTGAAGTTAATTCACATCGTGGTGGACATCAACCTCTTGGAAAGTGTCTTCTTGATTGG
TTTCATTGCACTGGACCGCTGCATTTGTGTCCTGCATCCAGTCTGGGCCAGAACCCGCACTGTGAGT
CTGGCCATGAAGGTGATCGTCGGACCTTGATTCTTGCTCTAGTCTTACCTTGCCAGTTTTCTCTTTT
TGACTACAGTAACTATTCCAAATGGGGACATACTGTACTTTCAACTTTGCATCCTGGGGTGGCACCCC
TGAGGAGAGGCTGAAGGTGGCCATTACCATGCTGACAGCCAGAGGGATTATCCGGTTTGTATTGGCTTT
AGCTTGCCGATGTCCATTGTTGCCATCTGCTATGGGCTCATTGCAGCCAAGATCCACAAAAGGGCATGA
TTAAATCCAGCCGTCCCTTACGGTCTCACTGCTGTGGTGGCTTCTTTCTTCACTGTGTTGGTTCCCTT
TCAACTGGTTGCCCTTCTGGGCACCGCTGGCTCAAAGAGATGTTGTTCTATGGCAAGTACAAAATCATT
GACATCCTGGTTAACCAACGAGCTCCCTGGCCTTCTTCAACAGCTGCCTCAACCCATGCTTTACGTCT
TTGTGGGCCAAGACTTCCGAGAGAGACTGATCCACTCCCTGCCACCAGTCTGGAGAGGGCCCTGTCTGA
GGACTCAGCCCCAACTAATGACACGGCTGCCAATTCTGCTTACCTCTGAGAGACTGAGTTACAGGCA
ATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC206600 protein sequence
Red=Cloning site Green=Tags(s)

METNFSTPLNEYEEVSYESAGYTVLRILPLVVLGVTFVLGVLGNGLVIWVAGFRMTRTVTTICYLNLA
 DFSFTATLPFLIVSMAMGEKWPFGWFLCKLIHIVVDINLFGSVFLIGFIALDRCICVLPVWAQNHRTVS
 LAMKVI VGPWILALVLTLPVFLFTTVTIPNGDTYCTFNFASWGTPERLKVAITMLTARGIIRFVIGF
 SLPMSIVAICYGLIAAKIHKKGMKSSRPLRVLTA VVASFFICWFPPQLVALLGTVWLKEMLFYGYKII
 DILVNPTSSLAFFNSCLNPMLYVFGQDFRERLIHSLPTSLERALSEDSAPTNDTAANSASPPAETELQA
 M

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6017_c01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001462

ORF Size: 1053 bp

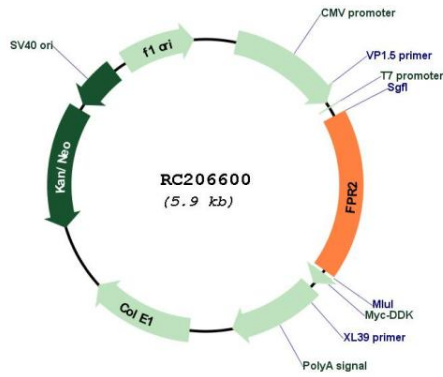
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

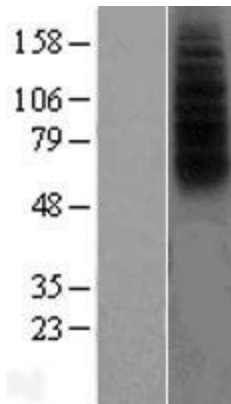
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001462.3 , NP_001453.1
RefSeq Size:	2019 bp
RefSeq ORF:	1056 bp
Locus ID:	2358
UniProt ID:	P25090
Cytogenetics:	19q13.41
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
MW:	39 kDa
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 RC206600



Western blot validation of overexpression lysate (Cat# [LY419913]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206600 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).