

Product datasheet for **RG209257**

FPR3 (NM_002030) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	FPR3
Synonyms:	FML2_HUMAN; FMLP-R-II; FMLPY; FPRH1; FPRH2; FPRL2; RMLP-R-I
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG209257 representing NM_002030
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAAACCAACTTCTCCATTCTCTGAATGAACTGAGGAGGTGCTCCCTGAGCCTGCTGGCCACACCG
TTCTGTGGATCTTCTCATTGCTAGTCCACGGAGTCACCTTTGTCTTCGGGGTCTGGGCAATGGGCTTGT
GATCTGGGTGGCTGGATTCCGGATGACACGCACAGTCAACACCATCTGTTACCTGAACCTGGCCCTAGCT
GACTTCTCTTTCAGTGCCATCCTACCATCCGAATGGTCTCAGTCGCCATGAGAGAAAAATGGCCTTTTG
GCTCATTCTCTATGTAAGTTAGTTCATGTTATGATAGACATCAACCTGTTTGTGTCAGTGTCTACCTGATCAC
CATCATTGCTCTGGACCGCTGTATTGTGCTCCTGCATCCAGCCTGGGCCCAGAACCATCGCACCATGAGT
CTGGCCAAGAGGGTGATGACGGGACTCTGGATTTTACCATAGTCCTTACCTTACCAAATTCATCTTCT
GGACTACAATAAGTACTACGAATGGGACACATACTGTATTTCAACTTTGCATTCTGGGGTGACACTGC
TGTAGAGAGGTTGAACGTGTTCAATACCATGGCCAAGGTCTTTCTGATCCTCCACTTCATTATTGGCTTC
AGCGTGCCTATGTCCATCATCAGTCTGCTATGGGATCATCGCTGCCAAATTCACAGAAACCACATGA
TTAAATCCAGCCGTCCTTACGTGTCTTCGCTGCTGTGGTGGCTTCTTCTTCATCTGTTGGTCCCTTA
TGAATAATTGGCATTCTAATGGCAGTCTGGCTCAAAGAGATGTTGTTAAATGGCAAATACAAATCATT
CTTGCTCTGATTAACCCAAAGCTCCTTGGCCTTTTAAACAGCTGCCTCAACCCAAATTCCTACGTCT
TTATGGGTCGTAACCTCAAGAAAGACTGATTCGCTCTTTGCCCACTAGTTTGAGAGGGCCCTGACTGA
GGTCCCTGACTCAGCCAGACCAGCAACACAGACACCCTTCTGCTTCACCTCCTGAGGAGACGGAGTTA
CAAGCAATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG209257 representing NM_002030
 Red=Cloning site Green=Tags(s)

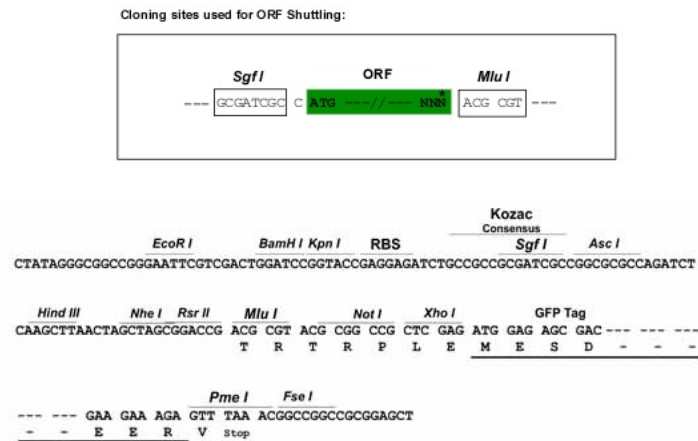
METNFSIPLNETEEVLPEPAGHTVLWIFSLLVHGVTFVFGVLGNGLVIWVAGFRMTRTVNTICYLNLALA
 DFSFSAILPFRMVSAMREKWPFGSFLCKLVHVMIDINLFVSVYLITIIALDRCICVLHPAWAQNHRMS
 LAKRVTGLWIFTIVLTLPNFIWTTISTTNGDTYCFNFAFWGDAVERLNVFITMAKVFLILHFIIGF
 SVPMSTITVCYGIIAAKIHRNHMIKSSRPLRVFAAVVASFFICWFPYELIGILMAVWLKEMLLNGKYKII
 LVLINPTSSLAFFNSCLNPILYVFMGRNFQERLIRSLPTSLERALTEVPDSAQTSNTDTTSASPEETEL
 QAM

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1982_a12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_002030

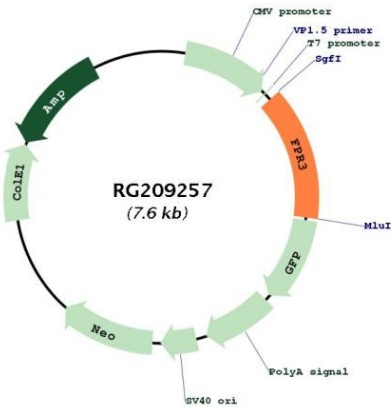
ORF Size: 1059 bp

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:	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_002030.5
RefSeq Size:	2517 bp
RefSeq ORF:	1062 bp
Locus ID:	2359
UniProt ID:	P25089
Cytogenetics:	19q13.41
Domains:	7tm_1
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 neutrophils chemotactic factors. Binding of FMLP to the receptor causes activation of neutrophils. This response is mediated via a G-protein that activates a phosphatidylinositol-calcium second messenger system.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG209257