

Product datasheet for **SC118858**

FPR3 (NM_002030) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FPR3 (NM_002030) Human Untagged Clone
Tag:	Tag Free
Symbol:	FPR3
Synonyms:	FML2_HUMAN; FMLP-R-II; FMLPY; FPRH1; FPRH2; FPRL2; RMLP-R-I
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_002030 edited
GAATTCGGCACGAGGGTTTTATAGCATGACAGGCTGTCTGATTCCATCTTTATAACCAAA
GCCAATTAAGATCTTAAACCAACATATAACTTCATCTTTTTACAAGTACTTAGAGCCT
GAGTTGCTCCACAGGAATCCAGGAACGGGCACAGGAAAAGGATCTAAGCTGGTGGTGTG
GGAAGATGGAAACCAACTTCTCCATTCTCTGAATGAACTGAGGAGGTGCTCCCTGAGC
CTGTCTGGCCACACCGTTCTGTGGATCTTCTCATTGCTAGTCCACGGAGTCACTTTGTCT
TCGGGGTCTGGCAATGGGCTTGTGATCTGGTGGCTGGATTCCGGATGACACGCACAG
TCAACACCATCTGTTACCTGAACCTGGCCCTAGCTGACTTCTCTTTCAGTGCCATCCTAC
CATTCCGAATGGTCTCAGTCGCCATGAGAGAAAAATGGCCTTTTGGCTCATTCTATGTA
AGTTAGTTCATGTTATGATAGACATCAACCTGTTTGTGCTAGTGTCTACCTGATCACCATCA
TTGCTCTGGACCCTGTATTTGTGCTCTGCATCCAGCCTGGGCCAGAACCATCGCACCA
TGAGTCTGGCCAAGAGGGTGTGACGGGACTCTGGATTTTACCATAGTCTTACCTTAC
CAAATTTTCATCTTCTGGACTACAATAAGTACTACGAATGGGGACACACTGTATTTTCA
ACTTTGCATTCTGGGTGACACTGCTGTAGAGAGGTTGAACGTGTTTATTACCATGGCCA
AGGTCTTTCTGATCCTCCACTTCAATTATTGGCTTACGCTGCCTATGTCCATCATCACAG
TCTGCTATGGGATCATCGCTGCCAAAATTCACAGAAACCATGATTAATCCAGCCGTC
CCTTACGTGTCTTCGCTGCTGTGGTGGCTTCTTCTTTCATCTGTTGGTCCCTTATGAAC
TAATTGGTATTCTAATGGCAGTCTGGCTCAAAGAGATGTTGTTAAATGGCAAATACAAAA
TCATTCTGTCTGATTAACCCAACAAGCTCCTTGGCCTTTTTTAAACAGCTGCCTCAACC
CAATTCTCTACGCTTTTATGGTTCGTAACCTTCCAAGAAAGACTGATTCGCTCTTTGCCCA
CTAGTTTGGAGAGGGCCCTGACTGAGGTCCCTGACTCAGCCCAGACCAGCAACACAGACA
CCAATTCTGCTTACCTCCTGAGGAGACGGAGTTACAAGCAATGTGAGGTCGGGGATATT
TTTGGGCTCTGTCTTTTCTACCCTGCGTTAAGCGGAAAAAAAAAATTCTGACAGTGT
TTCTTCTCTTTTCAACCACCACCACAATCATCAACATAAAGGAAGTCTGTACCAAA
TCTGTAGGGGTTTTTACCACAACCAAGCAATAGACACCAGCTGGGTGTCTACAATTA
ATTCCAACACTATCTACCTGGAGCTACTGTGAGATCCACAGGTTTAAAGGGCTCATTCCC
CAAGTCTGCTCCTCCAGTTGAGACACAAGTCACAAATCCAGGCTTCTGAAACTTCGGACC
AACCCAGCTTCAATCAGGGTTCCTACTACCCCTCTTTGGGGGTAGAGTGGCTCATGGAAC
TCAGAGAAACATTTATTTTCGGCTTGCTGGTTTATTATAAAAGCAAGGTTTATTATAAAG
ATACTACAAGGATACAGATGAAGAGGCACATAGGGCAAGGTACGGGGTCCACGCCCTC
CCTGAGTGCATCACCCXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXCCTGGAACCTC
CGTGTGTTACAGTCTCATGAAGCTCTCAAACCCAGTCTCTTGGGTTTTTATGGAAGCT
TCATGATGTCAGCATTCTTCTCCAGTGTATAGGATGGGATCCTCTCTGGGGAGGGTCT
TAAGACCCACAATTAGAAAGGCAAGGGAAGATTAGAGTCTGCTTTGGGGTAGATGAAAG
GAAAGGAGAGAGATTCTGTTTCTGAGGCTTAATACCCCAACATTATAACAAAGGACTG
TAGCAAGGGCTATGGGAGTCTGAAGCAGAAACCATGGGCTAAAACCAACATACATCTTA
ATACCAGATACCCTAATCCCAGTCTCAACTTCAATTTAACCTTGGTACATTGAGTCATTC
CAGGATGAGTGGCTCAAGTATTTCTCAGGGAAAATACTTCTGTGCCCTGATTTGAGG
GTAAGAAGTAGATAATGAGGCCACTGTGGGTGTTATTTTTTTCATGTCTGGACCTCAGCCT
ATATCCTGAGACTAAGTGGAAAGTGGGAAAAGAGTACAAGAGAAGAGACAAAGTGGGGATA
TTTGTAAGGCTTAGATGAGATAGTGTTTTTTTAGAAAAAACTTTATCTTACCATTAAGT
AAAATGTTTGCCATAGGCTTTCTGGGGTCTTCTTTTTTAAAGTCAAGTGTGAAAGTT
TCTTCTATTCTTATTGTTAAGAGTTTTCTTTTATTGTTTAAATCATGAATGAATGTTGA
ATTTTATAAATGCAGTTTCTGTAAAAAAAAAAAAAAAAAACTCGAC
    
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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_002030 unedited
GACAAGCATTTCGCACGAGGGTTTTATAGCATGACAGGCTGTCTGATTCCATCTTTATAAC
CAAAGCCAATTAAGATCTTAAAACCAAACATATAAATTTCATCTTTTTACAAGTACTTAGA
GCCTGAGTTGCTCCACAGGAATCCAGGAACTGGGCACAGGAAAAGGATCTAAGCTGGTGT
NGTGTGAAGATGGAACCAACTTCTCCATTCTCTGAATGAACTGAGGAGGTGCTCCCT
GAGCCTGCTGGCCACACCGTTCTGTGGATCTTCTATTGCTAGTCCACGGAGTCACCTTT
GTCTTCGGGGTCTGGCAATGGGCTTGTGATCTGGGTGGCTGGATTCCGGATGACACGC
ACAGTCAACACCATCTGTTACCTGAACCTGGCCCTAGCTGACTTCTTTTCAGTGCCATC
CTACCATTCCGAATGGTCTCAGTCGCCATGAGAGAAAAATGGCCTTTTGGCTCATTCCCTA
TGTAAGTTAGTTCATGTTATGATAGACATCAACCTGTTTGTGAGTGTCTACCTGATCACC
ATCATTGCTCTGGACCGCTGATTTGTGCTCCTGCATCCAGCCTGGGCCAGAACCATCGC
ACCATGAGTCTGGCCAAGAGGGTGTGACGGGACTCTGGATTTTACCATAGTCTTACC
TTACCAAATTTTCATCTTCTGGACTACAATAAGTACTACGAATGGNGACACATACTGTATT
TTCAAATTTGCATTCTGGGGTACTGCTGTAAGAGGTTGAACGTGTTTATTACCATG
GCCAAGGTCTTTCTGATCTCCACTTCATTATGNNCTTCAACGTGCCTATGTCCATCATC
ACAGTCTGCTATGGGATCATCGCTTGCAAAT
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3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_002030 unedited
CCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTACAAAACTGCATTTAATAAAAATT
CAACATTCATTTCATGATTTAAACAATAAAAGAAAACCTTAACAAATAAGAATAGAAGAA
ACCTTCAACAGTCTGACTTTAAAAGAGAAAGCCCGAGAAAGCCTATGGCAAACATTTTA
CTTAATGGTAAGATAAAGTTTTTTCTAAAAAACACTATCTCATCTAAGCCTTACAAT
ATCCCCACTTTGTCTCTTCTTGTACTTTTTCCCACTTCCACTTAGTCTCAGGATATA
GGCTGAGGTCCAGACATGAAAAATAACCCACAGTGGCCTCATTATCTACTTCTTACC
CTCAAATCAGGGGGCACAGAAGTATTTCCCTGAGGAAACTTGTAGCCACTCATCCTGG
AATGACTCAATGTGACCAAGGTTAAATGAAGTTAGGACTGGGATTAGGATCTGGTATT
AAGATGTATGTTGGTTTTAGCCCATGGTTTCTGCTTCAGAACTCCCATAGCCCTTGCTAC
AGTCTTTGTTATAATGTTGGGTGATTAAGCCTCAGGAAACAGAATCTCTCTCCTTTCC
TTTCATCTACCCAAAGCAGGACTCTAATCTTCCCTTGCCTTTCTAATTGTGGGTCTTAA
GACCTCCCCAGAGAGGATCCCATCTATACACTGGAGGAAAGAATGCTGACATCATGAA
GCTTCCATANAAACCCAAGAGGACTGGGTTTGGAGAGCTTCATGAGACGGGACCCACGGA
GGTCCCAGAGGGGTGCACTCAGGGAGGGCGGGCCCCGTAATTGGCCTCAGGCGCC
TAATNTGATACTTGGGATATCTTTAATAAAACCTGGTTTTAAAAAACACGAGCCCGAAA
AATGGTTTTTGGTTCCTGACCACCTTACCCCAAGAGGGGANGGAAACCCCATGACATGGT
GGCCCAACTTACAACCGGATCGGCCTTGGTCA
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Restriction Sites:

NotI-NotI

ACCN:

NM_002030

Insert Size:

2560 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](#)

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_002030.3](#), [NP_002021.3](#)

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]