

## Product datasheet for SC118857

### FPR1 (NM\_002029) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FPR1 (NM_002029) Human Untagged Clone
Tag:	Tag Free
Symbol:	FPR1
Synonyms:	FMLP; FPR
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118857 sequence for NM_002029 edited (data generated by NextGen Sequencing)

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ATGGAGACAAATTCCTCTCTCCCCACGAACACCTCTGGAGGGACACCTGTGTATCTGCT
GGCTATCTCTTCTGGATATCATCACTTATCTGGTATTTGCAGTCACCTTTGTCCTCGGG
GTCCTGGGCAACGGGCTTGTGATCTGGGTGGCTGGATTCCGGATGACACACACAGTCACC
ACCATCAGTTACCTGAACCTGGCCGTGGCTGACTTCTGTTTACCTCCACTTTGCCATTC
TTCATGGTCAGGAAGGCCATGGGAGGACATTGGCCTTTCGGCTGGTTCCTGTGCAAATTC
GTCTTTACCATAGTGGACATCAACTTGTTCGGAAGTGTCTTCCTGATCGCCCTCATTGCT
CTGGACCGCTGTGTTTGCCTGCATCCAGTCTGGACCCAGAACCACCGCACCGTGAGC
CTGGCCAAGAAGGTGATCATTGGGCCCTGGGTGATGGCTCTGCTCCTCACATTGCCAGTT
ATCATTCTGTGACTACAGTACCTGGTAAAACGGGGACAGTAGCCTGCACTTTTAACTTT
TCGCCCTGGACCAACGACCCTAAAGAGAGGATAAAGGTGGCCGTTGCCATGTTGACGGTG
AGAGGCATCATCCGGTTCATCATTGGCTTCAGCGCACCCATGTCCATCGTTGCTGTGAGT
TATGGGCTTATTGCCACCAAGATCCACAAGCAAGGCTTGATTAAGTCCAGTCGTCCTTA
CGGGTCTCTCTTTGTGCGCAGCAGCCTTTTTTCTCTGCTGGTCCCCATATCAGGTGGTG
GCCCTTAGCCACAGTCAGAATCCGTGAGTATTGCAAGGCATGTACAAAGAAATTGGT
ATTGCAGTGGATGTGACAAGTGCCTGGCCTTCTCAACAGCTGCCTCAACCCATGCTC
TATGCTTTCATGGGCCAGGACTTCCGGGAGAGGCTGATCCACGCCCTTCCCGCCAGTCTG
GAGAGGGCCCTGACCGAGGACTCAACCCAAACAGTGACACAGCTACCAATTCTACTTTA
CCTTCTGCAGAGGTGGCCTTACAGGCAAAGTGA

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Clone variation with respect to NM\_002029.3  
32 t=>c;576 t=>g;1037 a=>c



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_002029 unedited  
 NNNTAATGAAATATGATATACGATTAAGTATAGGGCGGCCGCGCAGAACCCANCTGGTG  
 AACAGTCCAGGAGCAGACAAGATGGAGACAAATTCCTCTCTCCCCACGAACACCTCTGGA  
 GGGACACCTGCTGATCTGCTGGCTATCTTCTTGGATATCATCACTTATCTGGTATTT  
 GCAGTACCTTTGTCCTCGGGTCTGGGCAACGGGCTTGTGATCTGGTGGCTGGATTC  
 CGGATGACACACACAGTACCACCATCAGTTACCTGAACCTGGCGTGGCTGACTTCTGT  
 TTCACCTCCACTTGGCATTCTTCATGGTCAGGAAGGCCATGGGAGGACATTGGCCTTTC  
 GGCTGGTTCCTGTGCAAATTCGTCTTTACCATAGTGGACATCAACTTGTTCGGAAGTGTC  
 TTCCTGATCGCCCTCATTGCTCTGGACCCTGTGTTTGGCTCCTGCATCCAGTCTGGACC  
 CAGAACCACCGCACCGTGAAGCTGGCCAAGAAGGTGATCATTGGGCCCTGGGTGATGGCT  
 CTGCTCCTCACATTGCCAGTTATCATTCTGTGACTACAGTACCCTGCGAAAACGGGGAC  
 AGTAGCCTGCACCTTTAACTTTTCGCCCTGGACCAACGACCTAAAGAGAGGATAAAGGC  
 GGCCGTTGCCATGTTGACCGTGAGAGGCATCATCCGTTATCATTGGCTTACGCACCC  
 ATGTCCATCGNTGCTGTCAGTTATGGGCTTATTGCCCAAGATCCACCAGCAAGGCTTG  
 ATTAAGTCCAGTGTCCCTCACGGGCCCTCCTCTTTGTGCGACCAGCCCTTTTTTTCTG  
 CTTGGCCCATATTCAGTGGTGGCCCTTAGCCCCACACAAATCCGTGAGTTATTGCAC  
 AGCATGACCAAAGAAATTTGCATTGCACCGGACGTACAGN

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_002029 unedited  
 GGGGCCGGTAACACACCCTTTTNNNNCCCCCTTACTGNACCGGGCCGCAATTTAN  
 GATCGAGTTTAACTCATATCTGT  
 TTATTCTCCCAAACAGGGGACACAAAGGCTTTTTTTTTTTTTTCTGATGAGGGGTAATC  
 CTAATAAAGCAGGAAATGCCTGTGGCTCACCTAACTCAAGGTGAAACAAAGCTGGAGC  
 TGGGAGCTCAAAAGTGTCCCCAGCTCCCTCCTCACTTTGCCTGTAAACGCCACCTTGGCA  
 AAAGGTAAGTAAATTTGGTAGCTGTGCTACTGGTTTGGGTTGAGTCTCGGTACGGGCC  
 CTTTCAAACCTGGCGGAAGGGCGTGGATCAGCCTCTCCCGAAGTCTGGCCCATGAAA  
 ACATAAAGCATGGGGTTGAGGCAGCTGTTGAAAAAGGCCAGGGCACTTGTACATCCACT  
 GCAATACCAATTTCTTTGTACATGCCTTGCAATAACTCACGGATTCTGACTGTGGCTATA  
 AGGGCCACCACCTGATATGGGGACCAGCAAAGAAAAAGGCTGCTGCGACAAAGGAGAGG  
 ACCCGCAAGGGACCACTGGACTTAATCAAGCCTTGCTTGTGGATCTTGGTGGCAATAAGC  
 CCATAACTGACAGCAACGATGGACATTGGTTGCGCTGAAGCCCATGATTAACCGGATGAT  
 GCCTCTCACCGTTAACATGGCCAACGGCCACCTTATNCTCTCTTTAAGGTCCCGTGGCC  
 CACGGCGAAAAGTAAAAAGGCAAGCCTCCTGTTCCCCGTTTTACCAGTTCCTGGTGTCC  
 CACCAATGAAAACTGCCAATGTGGAGGAGCAGAGCCCTTCCCCAGGCCCAAGATCC  
 CCTTTGGCCACGTTACGGGGCGGGTTTTTGGTCTCACATTTGTTGCCAGGACCA  
 AACCCACGGGTCCAAAAAATGAGGGCCAATCAGAAG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_002029

**Insert Size:**

1300 bp

<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>Components:</b>	<p>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).</p>
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_002029.3</a> , <a href="#">NP_002020.1</a>
<b>RefSeq Size:</b>	1334 bp
<b>RefSeq ORF:</b>	1053 bp
<b>Locus ID:</b>	2357
<b>UniProt ID:</b>	<a href="#">P21462</a>
<b>Cytogenetics:</b>	19q13.41
<b>Domains:</b>	7tm_1
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Neuroactive ligand-receptor interaction
<b>Gene Summary:</b>	<p>This gene encodes a G protein-coupled receptor of mammalian phagocytic cells that is a member of the G-protein coupled receptor 1 family. The protein mediates the response of phagocytic cells to invasion of the host by microorganisms and is important in host defense and inflammation.[provided by RefSeq, Jul 2010]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.</p>