

Product datasheet for **SC125547**

FPRL1 (FPR2) (NM_001462) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FPRL1 (FPR2) (NM_001462) Human Untagged Clone
Tag:	Tag Free
Symbol:	FPRL1
Synonyms:	ALXR; FMLP-R-II; FMLPX; FPR2A; FPRH1; FPRH2; FPRL1; HM63; LXA4R
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC125547 sequence for NM_001462 edited (data generated by NextGen Sequencing)

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ATGGAAACCAACTTCTCCACTCCTCTGAATGAATATGAAGAAGTGTCTATGAGTCTGCT
GGCTACACTGTTCTGCGGATCCTCCATTGGTGGTGCTTGGGGTACCTTTGTCCTCGGG
GTCCTGGGCAATGGGCTTGTGATCTGGGTGGCTGGATTCCGGATGACACGCACAGTCACC
ACCATCTGTTACCTGAACCTGGCCTGGCTGACTTTTCTTTCACGGCCACATTACCATTCTC
CATTGTCTCCATGGCCATGGGAGAAAAATGGCCTTTTGGCTGGTTCCTGTGTAAGTTA
ATTCACATCGTGGTGGACATCAACCTCTTTGGAAGTGTCTTCTTGATTGGTTTCATTGCA
CTGGACCGCTGCATTTGTGTCCTGCATCCAGTCTGGGCCAGAACCCGCACTGTGAGT
CTGGCCATGAAGGTGATCGTCGGACCTTGGATTCTTGCTCTAGTCCTTACCTTGCCAGTT
TTCCTCTTTTGGACTACAGTAACTATTCCAATGGGGACACATACTGTACTTTCACTTT
GCATCCTGGGGTGGCACCCCTGAGGAGAGGCTGAAGGTGGCCATTACCATGCTGACAGCC
AGAGGGATTATCCGGTTTGTGATTGGCTTTAGCTTGCCGATGTCCATTGTTGCCATCTGC
TATGGGCTCATTGCAGCCAAGATCCACAAAAAGGGCATGATTAATCCAGCCGTCCTTA
CGGGTCTCACTGCTGTGGTGGCTTCTTTCTTTCATCTGTTGGTTTCCCTTCAACTGGTT
GCCCTTCTGGGCACCGTCTGGCTCAAAGAGATGTTGTTCTATGGCAAGTACAAAATCATT
GACATCCTGGTTAACCAACGAGCTCCCTGGCCTTCTTCAACAGCTGCCTCAACCCCATG
CTTTACGTCCTTTGTGGGCAAGACTTCCGAGAGAGACTGATCCACTCCCTGCCACCCAGT
CTGGAGAGGGCCCTGTCTGAGGACTCAGCCCCAACTAATGACACGGCTGCCAATTCTGCT
TCACCTCTGCAGAGACTGAGTTACAGGCAATGTGA

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Clone variation with respect to NM_001462.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001462 unedited CCCCCGCAACNNAAAAACCCACCCCCCCCCCGGTCCGAGATTTGTNATACGACTCCT ATAGGCGGCCGCGNAATTCGCACGAGGGAAAAGAGCTTAGCTGCTGGTGTGCTGGCAAG ATGGAAACCAACTTCTCCACTCCTCTGAATGAATATGAAGAAGTGCCTATGAGTCTGCT GGCTACACTGTTCTGCGGATCCTCCATTGGTGGTGTCTGGGGTACACCTTGTCTCGGG GTCCTGGGCAATGGGCTTGTGATCTGGTGGCTGGATTCCGGATGACACGCACAGTCACC ACCATCTGTTACCTGAACCTGGCCCTGGCTGACTTTTCTTTCACGGCCACATTACCATT CTCATTGTCTCCATGGCCATGGGAGAAAAATGGCCTTTTGGCTGGTTCCGTGTAAGTTA ATTCACATCGTGGTGGACATCAACCTCTTTGGAAGTGTCTTCTGATTGGTTTCATTGCA CTGGACCCTGCATTTGTGCTCCTGCATCCAGTCTGGGCCAGAACCCGCACTGTGAGT CTGGCCATGAAGGTGATCGTCGGACCTTGGATTCTTGCTAGTCTTACCTTGCCAGTT TTCCTCTTTTGGACTACAGTAACTATTCCAAATGGGGACACATACTGTACTTTCACTTT GCATCCTGGGGTGGCACCNCCTGAGAGAGGCTGAAGGTGGCCATTACCATGCTGACAGCC AGAGGGATTATCCGGTTTGTCTTGGCTNTAGCTTGCCGATGTCCATTGTTGCCATCTGC TATGGGCTCATTGCAGCCAAGATCCACANAAGGGNCATGATAAATCCAGCCGTCCTTAC NGGTCCTCACTGCTGTGGGGCCTCTTCTCATCTGTTGGNNTCCCTTCACTGGNTG CCCNTCTGGNGCACCGTCTGGCTCAAAGAGATGTTGTCCT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_001462
Insert Size:	3000 bp
OTI Disclaimer:	<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 custsupport@origene.com 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. More info</p>
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_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
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein.</p>