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Product datasheet for MC208506

Fpr1 (NM_013521) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fpr1 (NM_013521) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fpr1
Synonyms:	fMLF-R; FPR; LXA4R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC208506 representing NM_013521
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACACCAACATGTCTCTCCTCATGAACAAGTCTGCAGTGAACCTCATGAATGTATCTGGGAGTACTC
AATCAGTATCTGCTGGCTACATCGTTCTGGATGTCTTCTCATATTTGATCTTTGCCGTCACATTTGTCCT
TGGGGTTCTGGGCAACGGGCTCGTGATCTGGGTGGCTGGTTTCCGCATGAAACACACTGTCACCACCATC
TCTTACTTGAACTTGGCCATTGCTGACTTTTGCTTCACTTCCACTTTGCCATTTTACATTGCCAGCATGG
TCATGGGAGGACATTGGCCATTTGGTTGGTTCATGTGCAAATTCATATATACTGTAATAGACATAAACCT
ATTTGGAAGTGTCTTCCTGATTGCCCTCATTGCACTGGACCGCTGTATTTGTGTTCTGCATCCAGTCTGG
GCTCAGAACCACCGCACTGTGAGCCTAGCCAAGAAGGTAATCATCGTACCCTGGATTTGTGCATTTCTTC
TTACATTGCCAGTTATCATTCGTTTGACCACAGTCCCTAATAGTAGACTTGGACCAGGGAAAACAGCCTG
TACTTTCGACTTCTCCCCCTGGACCAAAGATCCTGTAGAGAAGAGGAAGGTGGCCGTCACCATGCTCACT
GTCAGAGGAATCATCAGGTTCATCATTGGGTTCAGCACTCCCATGTCCATTGTTGCCATTTGCTATGGGT
TAATAACCACTAAAATTCACAGGCAGGGCCTGATCAAATCCAGCCGTCCTTTGCGGGTTCTCTCCTTTGT
TGTGGCTGCCTTTTTCCTCTGCTGGTGCCCATTTCAAGTAGTGGCCCTCATATCCACAATCCAAGTCCGT
GAACGGTTGAAGAACATGACTCCAGGCATTGTAACTGCTTTGAAAATCACAAGCCCCTTGGCTTTCTTCA
ACAGCTGCCTCAATCCAATGCTTTATGTCTTTATGGGCCAGGACTTCAGAGAAAGACTAATCCACTCTTT
ACCTGCCAGCCTAGAGAGGGCCCTGACTGAGGACTCAGCTCAGACCAGTGATACAGGCACCAATTTGGGG
ACCAACTCTACTTCCCTTTCTGAAAACACTTTAAATGCAATGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites: SgfI-MluI

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ACCN:	NM_013521
Insert Size:	1095 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_013521.2, NP_038549.1
RefSeq Size:	1332 bp
RefSeq ORF:	1095 bp
Locus ID:	14293
UniProt ID:	P33766
Cytogenetics:	17 10.63 cM
Gene Summary:	High affinity receptor for N-formyl-methionyl peptides (fMLP), which are powerful neutrophil chemotactic factors. Binding of fMLP to the receptor stimulates intracellular calcium mobilization and superoxide anion release. This response is mediated via a G-protein that activates a phosphatidylinositol-calcium second messenger system. Receptor for TAFA4, mediates its effects on chemoattracting macrophages, promoting phagocytosis and increasing ROS release (By similarity).[UniProtKB/Swiss-Prot Function]

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