

## Product datasheet for **MG221675**

### Fpr1 (NM\_013521) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fpr1 (NM_013521) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fpr1
Synonyms:	fMLF-R; FPR; LXA4R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG221675 representing NM_013521 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACACCAACATGTCTCTCCTCATGAACAAGTCTGCAGTGAACCTCATGAATGTATCTGGGAGTACTC  
AATCAGTATCTGCTGGCTACATCGTTCTGGATGTCTTCTCATATTTGATCTTTGCCGTCACATTTGTCCT  
TGGGGTTCTGGCAACGGGCTCGTGATCTGGTGGCTGGTTCCGCATGAAACACACTGTCACCACCATC  
TCTTACTTGAACCTGGCCATTGCTGACTTTTGCTTCACTCCACTTTGCCATTTTACATTGCCAGCATGG  
TCATGGGAGGACATTGGCCATTTGGTTGGTTCATGTGCAAATTCATATATACTGTAATAGACATAAACCT  
ATTTGGAAGTGTCTTCTGATTGCCCTCATTGCACTGGACCGCTGATTTGTGTTCTGCATCCAGTCTGG  
GCTCAGAACCACCGCACTGTGAGCCTAGCCAAGAAGGTAATCATCGTACCCTGGATTTGTGCATTTCTTC  
TTACATTGCCAGTTATCATTTCGTTTGACCACAGTCCCTAATAGTAGACTTGGACCAGGAAAAACAGCCTG  
TACTTTGCACTTCTCCCTGGACCAAAGATCCTGTAGAGAAGAGGAAGGTGGCCGTCACCATGCTCACT  
GTCAGAGGAATCATCAGGTTTCATCATTGGGTTGAGCACTCCCATGTCCATTGTTGCCATTTGCTATGGGT  
TAATAACCACTAAAATTCACAGGCAGGGCTGATCAAATCCAGCCGTCCTTTGCGGGTCTCTCCTTTGT  
TGTGGCTGCCTTTTTCTCTGCTGGTGCCATTTCAAGTAGTGGCCCTCATATCCACAATCCAAGTCCGT  
GAACGGTTGAAGAACATGACTCCAGGCATTGTAAGTCTTTGAAAATCACAAGCCCTTGGCTTTCTTCA  
ACAGCTGCCTCAATCCAATGCTTTATGTCTTTATGGGCCAGGACTTCAGAGAAAGACTAATCCACTCTTT  
ACCTGCCAGCCTAGAGAGGGCCCTGACTGAGGACTCAGCTCAGACCAGTGATACAGGCACCAATTTGGG  
ACCAACTCTACTTCCCTTTCTGAAAACACTTTAAATGCAATG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG221675 representing NM\_013521  
 Red=Cloning site Green=Tags(s)

MDTNMSLLMNKSAVNLMNVSGSTQSVSAGYIVLDVFSYLIFAVTFVLGVLGNGLVIWVAGFRMKHTVTTI  
 SYLNLAIADFCFSTLFPFYIASMVMGGHWPFGWFMCKFIYTVIDINLFGSVFLIALIALDRCICVLHPVW  
 AQNHRTVSLAKKVIIIPWICAFLLTLPVIIRLTTVPNSRLGPGKTAFTDFSPWTKDPVEKRKQVAVTMLT  
 VRGIIRFIIIGFSTPMSIVAICYGLITTKIHRQGLIKSSRPLRVL SFVVAFFLWCPCPFQVVALISTIQVR  
 ERLKNMTPGIVTALKITSPLAFFNSCLNPMLYVFMGQDFRERLIHSLPASLERALTEDSAQTSDTGTNLG  
 TNSTLSENTLNAM

TRTRPLE - GFP Tag - V

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2528\\_d12.zip](https://cdn.origene.com/chromatograms/ja2528_d12.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_013521

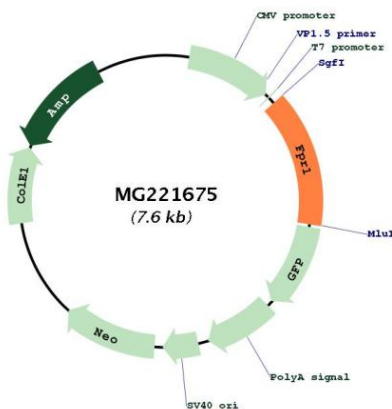
**ORF Size:** 1092 bp

**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](mailto: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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<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_013521.2</a> , <a href="#">NP_038549.1</a>
<b>RefSeq Size:</b>	1332 bp
<b>RefSeq ORF:</b>	1095 bp
<b>Locus ID:</b>	14293
<b>UniProt ID:</b>	<a href="#">P33766</a>
<b>Cyogenetics:</b>	17 10.63 cM
<b>Gene Summary:</b>	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 TFA4, mediates its effects on chemoattracting macrophages, promoting phagocytosis and increasing ROS release (By similarity).[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MG221675