

Product datasheet for **RG202745**

FPR1 (NM_002029) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FPR1 (NM_002029) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: FPR1
Synonyms: FMLP; FPR
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG202745 representing NM_002029
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGACAAATTCCTCTCTCCACGAACATCTCTGGAGGGACACCTGCTGTATCTGCTGGCTATCTCT
 TCCTGGATATCATCACTTATCTGGTATTTGCAGTCACCTTTGTCCTCGGGTCTGGCAACGGCTTGT
 GATCTGGGTGGCTGGATCCGGATGACACACAGTCACCACCATCAGTTACCTGAACCTGGCCGTGGCT
 GACTTCTGTTTCACCTCCACTTTGCCATTCTTCATGGTCAGGAAGGCCATGGGAGGACATTGGCCTTTCG
 GCTGGTTCCTGTGCAAATTCGTCTTACCATAGTGACATCAACTGTTTCGGAAGTGTCTTCTGATCGC
 CCTCATTGCTCTGGACCGCTGTGTTGCGTCTGCATCCAGTCTGGACCCAGAACCACCGCACCGTGAGC
 CTGGCCAAGAAGGTGATCATTGGGCCCTGGGTGATGGCTCTGCTCCTCACATTGCCAGTTATCATTCTGTG
 TGACTACAGTACCTGGTAAAACGGGGACAGTAGCCTGCACTTTTAACTTTTCGCCCTGGACCAACGACCC
 TAAAGAGAGGATAAATGTGGCCGTTGCCATGTTGACGGTGAGAGGCATCATCCGGTTCATCATTGGCTTC
 AGCGCACCCATGTCCATCGTTGCTGTGAGTTATGGGCTTATTGCCACCAAGATCCACAAGCAAGGCTTGA
 TTAAGTCCAGTCGTCCCTTACGGGTCCTCTCCTTTGTGCGAGCAGCCTTTTTCTCTGCTGGTCCCATA
 TCAGGTGGTGGCCCTTATAGCCACAGTCAGAATCCGTGAGTTATTGCAAGGCATGTACAAGAAATTTGTT
 ATTGCAGTGGATGTGACAAGTGGCCCTGGCCTTCTCAACAGCTGCCTCAACCCCATGCTCTATGTCTTCA
 TGGCCAGGACTTCCGGGAGAGGCTGATCCACGCCCTTCCCGCCAGTCTGGAGAGGGCCCTGACCCGAGGA
 CTC AACCCAAACTAGTGACACAGCTACCAATTCTACTTTACCTTCTGCAGAGGTGGAGTTACAGGCAAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202745 representing NM_002029
 Red=Cloning site Green=Tags(s)

METNSSLPTNISGGTPAVSAGYLFLDIITYLVFAVTFVLGVLGNGLVIWVAGFRMTHVTITISYLNLAVAL
 DFCFTSTLPPFFMVRKAMGGHWPFGWFLCKFVFTIVDINLFGSVFLIALIALDRCVCVLHPVWTQNHRTVS
 LAKKVIIGPWVMAALLLTLPIIIRVTTVPKGTGTVACTFNFSPWTNDPKERINVAVAMLTVRGIIRFIIGF
 SAPMSIVAVSYGLIATKIHKQGLIKSSRPLRVLSFVAAAFFLWCSPYQVVALIATVRIRELLQGMKEIG
 IAVDVTALAFFNSCLNPMLYVFMGQDFRERLIHALPASLERALTEDSTQTSDTATNSTLPSAEVELQAK

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1777_e02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_002029

ORF Size: 1050 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_002029.2](#)

RefSeq Size: 1334 bp

RefSeq ORF: 1053 bp

Locus ID: 2357

UniProt ID: [P21462](#)

Cytogenetics: 19q13.41

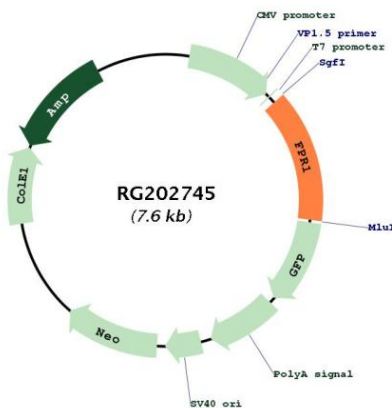
Domains: 7tm_1

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

Gene Summary: 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]

Product images:



Circular map for RG202745