

Product datasheet for **RG220022**

FCRL6 (NM_001004310) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FCRL6 (NM_001004310) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: FCRL6
Synonyms: FcRH6
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG220022 representing NM_001004310
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGCTCTGGACGGCTGTGCTGCTCTTTGTTCCCTGTGTTGGGAAACTGTCTGGCTGTACCTCCAAG
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 ACTCTCCAAGAACCCTTAGCGACTGTGAGGAGTTCTCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG220022 representing NM_001004310
 Red=Cloning site Green=Tags(s)

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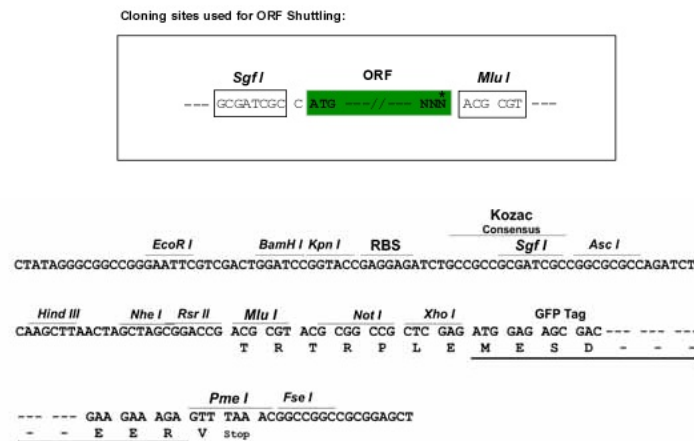
  MLLWTAVLLFVPCVGVKTVLWYLQAWPNPVFEGDALTLRCQGWKNTPLSQVKFYRDGKFLHFSKENQTL SM
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  TLQEPLSDCEEVLC
  
```

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1647_g05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001004310

ORF Size: 1302 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_001004310.1](#), [NP_001004310.1](#)

RefSeq Size: 1306 bp

RefSeq ORF: 1305 bp

Locus ID: 343413

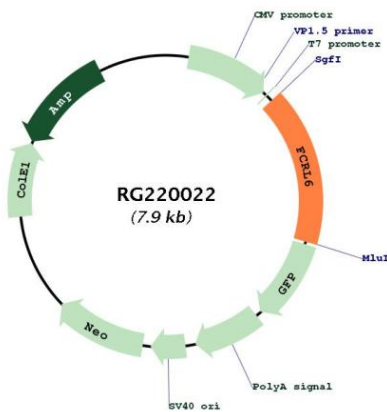
UniProt ID: [Q6DN72](#)

Cytogenetics: 1q23.2

Protein Families: Druggable Genome, Transmembrane

Gene Summary: Acts as a MHC class II receptor (PubMed:20519654). When stimulated on its own, does not play a role in cytokine production or the release of cytotoxic granules by NK cells and cytotoxic CD8(+) T cells (PubMed:17213291, PubMed:18991291). Does not act as an Fc receptor (PubMed:18991291).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG220022