

Product datasheet for **RG217211**

FCRLB (NM_001002901) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FCRLB (NM_001002901) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FCRLB
Synonyms:	FCRL2; FCRLM2; FCRLY; FcRY; FREB-2; FREB2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG217211 representing NM_001002901
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCGGTTTTGGCCAGTACACCAATGTGCCGTGTATAGCGGTTTGACTCACGGGGATTTCCAAGTCTCCA
 GCCCATTGACGTCAATGGGAGTTTGTGGACCAAAATCAACGGGACTTACCAAAATGTCGTAATAA
 CGCCGCTCCGTTGACGCAATGGCGGTAGGCGTGTACGGTGGGAGTCTATATAAGCAGAGCTCGTTTA
 GTGAACCGTCAGAATTTGTAATACGACTCACTATAGGGCGGAGAGAATTCATGTGGCCACTGACAGCCC
 TTCTGCTCCTGGTCCAAGCAGTGGCAAGCTGCTACTCTGGAGAAGCCCATATTGTCTCTACATCCACC
 TTGGACCACCATCTTCAAAGGGGAGCGGGTAACTTGAAGTGTGATGGATACCACCCACTGCTCCTGGAG
 CTCCAGCCATCAGCACTCTCTGGTATTGGGCCACTACTTCTGCCCTCTCACAAGAAGAGCATTGAGG
 TGCAGACACCAGGGGTATCGATGCCAGACACGGGGAGCACCCGTCAGTGACCCCATCCACCTCTCTGT
 ATCCAATGATTGGCTGATTCTGCAAGTGCCTATGCGCCAGTGTTCGAGGGTGAGCCGCTAGTCCTGCGC
 TGCCGCGGCTGGTACGACAAGGTGGTCTACAAGCTTCACTACTACCACGACGGCCAGGCCGTGCGCTACT
 TCCACTCCAGCGCAACTACACTGTGTTACAGGCGCGTGCCAGCGACAGCGGGCGCTACCAGTGTCTCGGG
 CACCATGCGCATCCCGGTGGAGAGCGCGCCCATGTTCTCCGCTAAGGTGGCTGTGACAGTGAAGAGCTG
 TTCCGGGCGCCGGTGTGAGGGTGTGGTCCGCGGGAGGCCCGCGCGCGCGCTGGGTGGGTGGTGC
 TGCGCTGCGACACGCGCTGCACCCGAGAAAGCGGACACGCGCTGCAGTTCGCGTTTTACAAGTACAG
 CCGCGCGTGCAGCGCTTCGACTGGGGCGCGAGTACACAGTCCCGGAGCCCGAGGTCGAGGAGCTCGAA
 TCGTACTGGTGCAGGGCGCTACCGCCACCCGAGTGTCCGAAACGAGTCCGTGGCTGCAGCTCCCGG
 GGCCGGTTCTCCCTGGACCCGCTCCACACCGCCAGCTCCATGGCCCGCAGCTTGGCTCCTGG
 TAATAGGCCGCTTCTCCTCAGAAAGCCCGGTGTCCAGATCGTCCCGTTGGTACCTCCGTCCGGAAC
 ACCACCTCCACCGGGCTGCAAGTCCCGCGAGCGGCGCCCGACTGCGGGCCACCCGCTGCGCTCCGC
 CGACGCCCTTGAACAATCGGCTGGAGCCCTGAAACCGAGCTGGACCTTCTGCTCCGAGAAATGCAGCT
 GCTCAAAGGCTTCTGAGCCGGTGGTCTGGAATTAAGGAGCCACAGGCCCTCCGGGAGCTCAGGGGA
 ACGCCCGAGACCCACCTCTCACTTTGCTGTGAGCCGGGAACCCAGAGACCCTCTGTGGAGAGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG217211 representing NM_001002901
 Red=Cloning site Green=Tags(s)

MRFWVHQCNAVYSLTHGDFQVSSPIDVNGSLFWHQNRDLPKCRNNAAPLTQMGGRRVRWEVYISRARL
 VNRQNFVIRLTIGRREFMWPLTALLLVPSGQAATLEKPILSLHPPWTTIFKGERVTLKCDGYHPLLE
 LQPISTLWYLGHLLLP SHKKSIEVQTPGVYRCQTRGAPVSDPIHLSVNDWLILQVPYAPVFEPEPLVLR
 CRGWYDKVYKLYHYHDGQAVRYFHSSANYTVLQARASDSGRYQCSGTMRI PVESAPMFSKAVAVTVQEL
 FRAPVLRVMGPREARGAALGGVLRCDTRLHPQKRDTP LQFAFYKYSRAVRRFDWGAEYTVPEPEVEELE
 SYWCEAATATRSVRKRSPWLQLPGPSPLDPASTTAPAPWAAALAPGNRPLSFRKPPVSRVPLVTSVRN
 TTSTGLQFPASGAPTAGPPACAPPTPLEQSAGALKPDVDLLLREMQLLKGLLSRVVLELEKQPALRELRG
 TPETPTSHFAVSPGTPETTPVES

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001002901

ORF Size: 1539 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_001002901.2](#), [NP_001002901.1](#)

RefSeq Size: 1794 bp

RefSeq ORF: 1281 bp

Locus ID: 127943

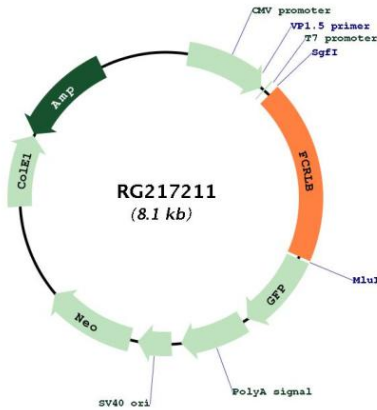
UniProt ID: [Q6BAA4](#)

Cytogenetics: 1q23.3

Gene Summary:

FCRL2 belongs to the Fc receptor family. Fc receptors are involved in phagocytosis, antibody-dependent cell cytotoxicity, immediate hypersensitivity, and transcytosis of immunoglobulins via their ability to bind immunoglobulin (Ig) constant regions (Chikaev et al., 2005 [PubMed 15676285]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG217211