

Product datasheet for **RG216335**

FCRL4 (NM_031282) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FCRL4 (NM_031282) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FCRL4
Synonyms:	CD307d; FCRH4; IGFP2; IRTA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG216335 representing NM_031282
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCTGTGGCGCTCCTTGCTGGCCTTTGCTCCAGTCTGTGGACAATCTGCAGCTGCACACAAACCTG
 TGATTTCCGTCCATCCTCATGGACCACATTCTTCAAAGGAGAGAGAGTACTCTGACTTGCAATGGATT
 TCAGTTCTATGCAACAGAGAAAAACAATGGTATCATCAGCACTACTGGGAGAAAAAGTTGACCCCTGACC
 CCAGGAAACACCCCTCGAGGTTCCGGAATCTGGACTGTACAGATGCCAGGCCCGGGCTCCCCACGAAGTA
 ACCCTGTGCGCTTGCTCTTTCTTCAGACTCCTTAATCCTGCAGGCACCATATTCTGTGTTTGAAGGTGA
 CACATTGGTTCTGAGATGCCACAGAAGAAGGAAAGAGAAATTGACTGCTGTGAAATATACTTGAATGGA
 AACATTCTTTCCATTTCTAATAAAAGCTGGGATCTTCTTATCCACAAGCAAGTTCAAATAACAATGGCA
 ATTATCGATGCATTGGATATGGAGATGAGAATGATGTATTTAGATCAAATTTCAAATAATTTAAATTTCA
 AGAACTATTTCCACATCCAGAGCTGAAAGCTACAGACTCTCAGCCTACAGAGGGGAATTCTGTAAACCTG
 AGCTGTGAAACACAGCTTCTCCAGAGCGGTGAGACACCCCACTTCACTTCAACTTCTTCAGAGATGGCG
 AGGTATCCTGTGAGACTGGAGCACGTACCCGGAATCCAGCTCCCAACCGTCTGGAGAGAAAACTCAGG
 ATCCTATTGGTGTGGTGTGAAACAGTGAGGGGTAAATCCACAAGCACAGTCCCTCGCTACAGATCCAT
 GTGCAGCGGATCCCTGTGTCTGGGTGCTCCTGGAGACCCAGCCCTCAGGGGGCCAGGCTGTTGAAGGGG
 AGATGCTGGTCTTGTCTGCTCCGTGGCTGAAGGCACAGGGGATACCACATTCTCCTGGCACCGAGAGGA
 CATGCAGGAGAGTCTGGGAGGAAAACTCAGCGTTCCTGAGAGCAGAGCTGGAGCTCCCTGCCATCAGA
 CAGAGCCATGCAGGGGATACTACTGTACAGCAGACAACAGCTACGGCCCTGTCCAGAGCATGGTGTGA
 ATGTCACTGTGAGAGAGACCCAGGCAACAGAGATGGCCTTGTGCGCCGCGGAGCCACTGGAGGGCTGCT
 CAGTGCTCTTCTCCTGGCTGTGGCCCTGCTGTTTCACTGCTGGCGTCGGAGGAAGTCAGGAGTTGGTTTC
 TTGGGAGACGAAACCAGGCTCCCTCCCGCTCCAGGCCAGGAGAGTCTCCCATTCATCTGCCCTGCC
 AGGTGGAGCTTCAGTCGTTGATGTTGATGTACACCCAAAAAGGGAGATTTGGTATACTCTGAGATCCA
 GACTACTCAGCTGGGAGAAGAAGAGGAAGCTAATACCTCCAGGACACTTCTAGAGGATAAGGATGTCTCA
 GTTGTCTACTCTGAGGTAAGACACAACACCCAGATAACTCAGCTGGAAGATCAGCTCTAAGGATGAAG
 AAAGT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG216335 representing NM_031282
 Red=Cloning site Green=Tags(s)

MLLWASLLAFAPVCGQSAAAHKPVISVHPPWTTFFKGERVLTLCNGFQFYATEKTTWYHQHYWGEKLT
 PGNTLEVRESGLYRCQARGSPRNPVRLFFSSDSLILQAPYSVFEGDTLVLRRHRRKEKLTAVKYTWNG
 NILSISNKSDDLIPQASSNNGNYRCIGYGDENDVFRSNFKI IKIQELFPHPELKATDSQPTEGNSVNL
 SCETQLPPERSDPLHFNFRRDGEVILSDWSTYPELQLPTVWRENSGSYWCGAETVRGNIHKHSPSLQIH
 VQRIPVSGVLLLETQPSGGQAVEGEMLVLCVSAEGTGDTTFSWHREDMQESLGRKTQRLRAEELPAIR
 QSHAGGYCTADNSYGPVQSMVLNVTRETPGNRDGLVAAGATGGLLSALLLAVALLFHCWRRRSGVGF
 LGDETRLPPAPGPGESSHSICPAQVELQSLYVDVHPKKGDLVYSEIQTTLGEEEEANTSRTLLEDKDVS
 VVYSEVKTQHPDNSAGKISSKDEES

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_031282

ORF Size: 1545 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_031282.1](#), [NP_112572.1](#)

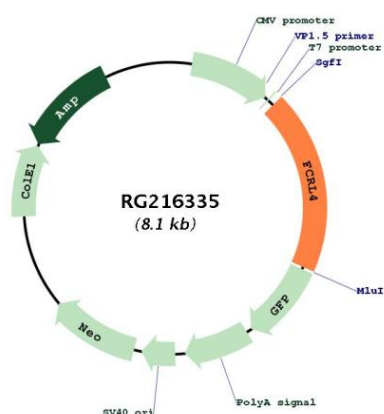
RefSeq Size: 3459 bp

RefSeq ORF: 1548 bp

Locus ID: 83417

UniProt ID:	<u>Q96PJ5</u>
Cytogenetics:	1q23.1
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a member of the immunoglobulin receptor superfamily and is one of several Fc receptor-like glycoproteins clustered on the long arm of chromosome 1. The encoded protein has four extracellular C2-type immunoglobulin domains, a transmembrane domain and a cytoplasmic domain that contains three immune-receptor tyrosine-based inhibitory motifs. This protein may play a role in the function of memory B-cells in the epithelia. Aberrations in the chromosomal region encoding this gene are associated with non-Hodgkin lymphoma and multiple myeloma. [provided by RefSeq, Apr 2009]

Product images:



Circular map for RG216335