

Product datasheet for **RG221878**

FCRL2 (NM_030764) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FCRL2 (NM_030764) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FCRL2
Synonyms:	CD307b; FCRH2; IFGP4; IRTA4; SPAP1; SPAP1A; SPAP1B; SPAP1C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG221878 representing NM_030764
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCTGTGGTCATTGCTGGTCATCTTTGATGCAGTCACTGAACAGGCAGATTCGCTGACCCCTGTGG
 CGCCTCTTCTGTCTTCAAGGAGACAGCATCGTTCTGAAATGCCAGGGAGAACAGAACTGGAAAATTCA
 GAAGATGGCTTACCATAAGGATAACAAAGATTATCTGTTTTCAAAAAATTCTCAGATTTCTTATCCAA
 AGTGCACTTTAAGTGACAGTGGTAACATTTCTGTAGTACCAAAGGACAACCTTTCTCTGGGATAAAA
 CTTCAAATATAGTAAAGATAAAAGTCCAAGAGCTCTTCAACGTCCTGTGCTGACTGCCAGCTCCTTCCA
 GCCCATCGAAGGGGTCCAGTGAGCCTGAAATGTGAGACCCGGCTCTCTCCACAGAGGTTGGATGTTCAA
 CTCCAGTTCTGCTTCTCAGAGAAAACAGGTCTGGGGTCAGGCTGGAGCAGCTCTCCGGAGCTCCAGA
 TTTCTGCCGTGTGGAGTGAAGACACAGGTCTTACTGGTGCAAGGCAGAAACGGTCACTCACAGGATCAG
 AAAACAGAGCCTCCAATCCAGATTACGTGCAGAGAATCCCCATCTCTAATGTAAGCTTGAGATCCGG
 GCCCCCGGGGACAGGTGACTGAAGGACAAAACCTGATCCTGCTCTGCTCAGTGGCTGGGGGTACAGGAA
 ATGTACATTCTCCTGGTACAGAGAGGCCACAGGAACAGTATGGGAAAGAAAACCCAGCGTTCCCTGTG
 AGCAGAGCTGGAGATCCAGCTGTGAAAGAGAGTGATGCCGGCAAATATTACTGTAGAGCTGACAACGGC
 CATGTGCCTATCCAGAGCAAGGTGGTGAATATCCCTGTGAGAATCCAGTGTCTCGCCCTGTCTCACCC
 TCAGGTCTCCTGGGGCCAGGCTGCAGTGGGGGACCTGCTGGAGCTTCACTGTGAGGCCCTGAGAGGCTC
 TCCCCAATCTTGTACCAATTTTATCATGAGGATGTCACCCTTGGGAACAGCTCGCCCCCTCTGGAGGA
 GGGGCTCCTTCAACCTCTCTTTGACTGCAGAACATTCTGGAACTACTCTGTGAGGCCAACACGGCC
 TGGGGGCCAGTGCAGTGAGGCAGTGCCAGTCTCCATCTCAGGACCTGATGGCTATAGAAGAGACCTCAT
 GACAGCTGGAGTTCTCTGGGGACTGTTTGGTGTCTTGGTTTCACTGGTGTGCTTTGCTGTTGTATGCC
 TTGTTCCACAAGATATCAGGAGAAAGTTCTGCCACTAATGAACCCAGAGGGGCTTCCAGGCCAAATCCTC
 AAGAGTTACCTATTCAAGCCCAACCCAGACATGGAGGAGCTGCAGCCAGTGTATGTCAATGTGGGCTC
 TGTAGATGTGGATGTGGTTTATTCTCAGGTCTGGAGCATGCAGCAGCCAGAAAGCTCAGCAACATCAGG
 ACACCTTCTGGAGAACAGGACTCCCAAGTCATCTACTCTTCTGTGAAGAAATCA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

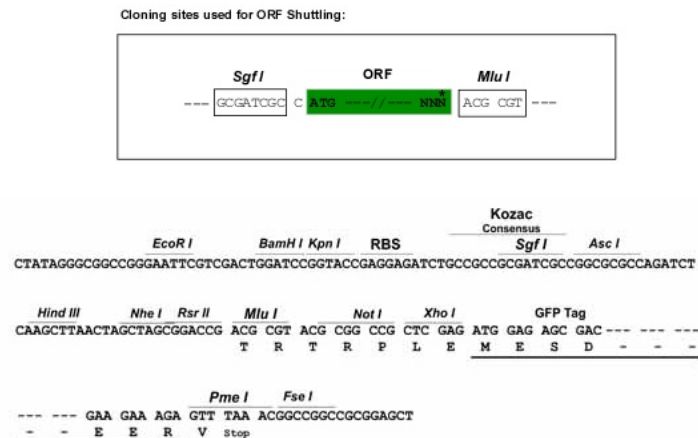
>RG221878 representing NM_030764
 Red=Cloning site Green=Tags(s)

MLLWSLLVIFDAVTEQADSLTLVAPSSVFEGDSIVLKCQGEQNWKIQKMAYHKDNKELSVFKKFSDFLIQ
 SAVLSDSGNYFCSTKGQLFLWDKTSNIVKIKVQELFQRPVLTASSFQPIEGGPVSLKCETRLSPQRLDVQ
 LQFCFFRENQVLGSGWSSPELQISAVWSEDGTSYWCKAETVTHIRKQSLQSQIHVQRIPISNVSLAIR
 APGGQVTEGQKLILLCSVAGGTGNVTFWSYREATGTSMGKKTQRSLSAELEIPAVKESDAGKYCRADNG
 HVPIQSKVVNIPVRIPVSRPVLTLRSPGAQAAVGDLLLEHCEALRGSPPILYQFYHEDVTLGNSSAPSGG
 GASFNLSLTAHSGNYSCEANGLGAQCSEAVPVSISGPDGYRRDLMTAGVLWGLFVGLGFTGVALLLYA
 LFHKISGESSATNEPRGASRPNPQEFTYSSPTPDMEELQPVYVNVGSVDVDDVVYSQVWSMQPESSANIR
 TLLNKDSQVIYSSVKKS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_030764

ORF Size: 1524 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_030764.4](#)

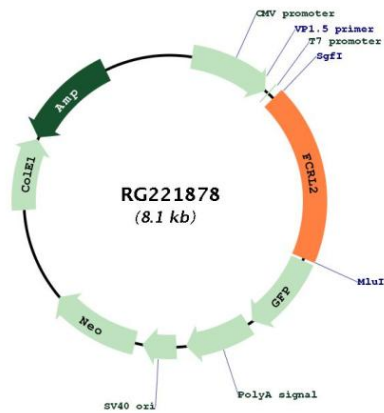
RefSeq Size: 2573 bp

RefSeq ORF: 1527 bp

Locus ID: 79368

UniProt ID:	<u>Q96LA5</u>
Cytogenetics:	1q23.1
Protein Families:	Druggable Genome, 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 one immunoreceptor-tyrosine activation motif and two immunoreceptor-tyrosine inhibitory motifs. This protein may be a prognostic marker for chronic lymphocytic leukemia. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq, Apr 2009]

Product images:



Circular map for RG221878