

Product datasheet for **RG214467**

FCRL3 (NM_052939) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FCRL3 (NM_052939) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FCRL3
Synonyms:	CD307c; FCRH3; IFGP3; IRTA3; SPAP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG214467 representing NM_052939
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTTCTGTGGCTGCTGCTGCTGATCCTGACTCCTGGAAGAGAACAATCAGGGTGGCCCAAAAGCTG
 TACTTCTCCTCAATCCTCATGGTCCACAGCCTTCAAAGGAGAAAAAGTGGCTCTCATATGCAGCAGCAT
 ATCACATTCCCTAGCCCAGGGAGACACATATTGGTATCACGATGAGAAAGTTGTTGAAAAATAAACATGAC
 AAGATCCAAATTACAGAGCCTGGAATTACCAATGTAAGACCCGAGGATCCTCCCTCAGTGATGCCGTGC
 ATGTGGAAATTTACCTGACTGGCTGATCCTGCAGGCTTACATCCTGTCTTTGAAGGAGACAATGCAT
 TCTGAGATGTCAGGGGAAAGACAACAAAAACACTCATCAAAGGTTTACTACAAGGATGGAAAACAGCTT
 CCTAATAGTTATAATTTAGAGAAGATCACAGTGAATTCAGTCTCCAGGGATAATAGCAAATATCATTGTA
 CTGCTTATAGGAAGTTTACATACTTGACATTGAAGTAACTTCAAACCCTAAATATCCAAGTTCAAGA
 GCTGTTTCTACATCCTGTGCTGAGAGCCAGCTCTCCACGCCCATAGAGGGGAGTCCCATGACCCTGACC
 TGTGAGACCCAGCTCTCTCCACAGAGGCCAGATGTCCAGCTGCAATTCCTCCTCTTCAGAGATAGCCAGA
 CCCTCGGATTGGGCTGGAGCAGTCCCCAGACTCCAGATCCCTGCCATGTGGACTGAAGACTCAGGGTC
 TTAAGTGTGAGGTGGAGACAGTGACTCACAGCATCAAAAAAGGAGCCTGAGATCTCAGATACGTGTA
 CAGAGAGTCCCTGTGTCTAATGTGAATCTAGAGATCCGGCCACCAGGAGGACAGTGATTGAAGGAGAAA
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 AGTGTGCAGGGAGATACTACTGTGCAGCTGATAACGTTACAGCCCCATCCTCAGCACGTGGATTTCGAG
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 ACATTCTGGAACTACTCATGTGAGGCTGACAATGGCCTGGGGGCCAGCACAGTAAAGTGGTGACTC
 AATGTTACAGGAACCTCCAGGAACAGAACAGGCCTTACCGCTGCGGGAATCACGGGGCTGGTGTCTCAGCA
 TCCTCGTCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT
 TGCCACTGGAACATCTAGTCACAGTCTAGTGAGTGTCAGGAGCCTTCCCTCGTCCAGGCCTTCCAGGATA
 GACCCTCAAGAGCCCACTCACTCTAAACCACTAGCCCAATGGAGCTGGAGCCTGACAGCAATGTAA
 ATCCTGGAGATAGCAACCGATTATCCAGATCTGGAGCATCCAGCATACAAAAGAAAACAGCTAA
 TTGTCCAATGATGCATCAAGAGCATGAGGAACCTTACAGTCTCTATTGAGAACTGAAGAAGACACCCCA
 GACGACTCTGCAGGGGAGGCTAGCAGCAGAGGCCAGGGCCCATGAAGAAGATGATGAAGAAAATATGAGA
 ATGTACCAGTGTATTACTGGCCTCAGACCAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG214467 representing NM_052939
Red=Cloning site Green=Tags(s)

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MLLWLLLLILTPGREQSGVAPKAVLLLLNPPWSTAFKGEKVALICSSISHSLAQGDYWYHDEKLLKIKHD
KIQITEPGNYQCKTRGSSLSDAVHVEFSPDWLILQALHPVFEGDNVILRCQGKDNKNTHQKVVYKDGKQL
PNSYNLEKITVNSVSRDNSKYHCTAYRKFYILDIEVTSKPLNIQVQELFLHPVLRASSSTPIEGSPMTLT
CETQLSPQRPDVQLQFSLFRDSQTLGLGWSRSPRLQIPAMWTEDSGSYWCEVETVTHSIKKRSLRSQIRV
QRVPVSNVNLIRPTGGQLIEGENMVLICSVAQSGTVTFSWHKEGRVRSLSGRKTQRSLLAELHVLTVKE
SDAGRYCAADNVHSPILSTWIRVTVRIPVSHPVLTFRAPRAHTVVGDLLELHCESLRGSPPILYRFYHE
DVTLGNSAPSOGGASFNLSLTAEHSGNYSADADNGLGAQSHGVSLRVTVPSRPVLTLRAPGAQAVVG
DLELHCESLRGSFPILYWFYHEDDTLGNISAHSGGASFNLSLTTEHSGNYSCEADNGLGAQHSKVVTL
NVTGTSRNRGLTAAGITGLVLSILVLAALAAALHYPARRKPGGLSATGTSSHPSECQEPSSSRPSRI
DPQEPHSHKPLAPMELEPMYSNVNPGDSNPIYSQIWSIQHTKENSANCPMMHQEHEELTVLYSELKKTTP
DDSAGEASSRGRAHEEDDEENYENVPRVLLASDH
    
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_052939

ORF Size: 2202 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_052939.4](#)

RefSeq Size: 3019 bp

RefSeq ORF: 2205 bp

Locus ID: 115352

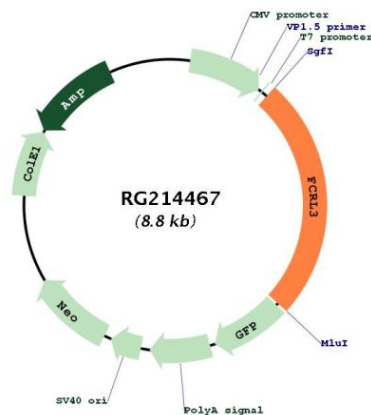
UniProt ID: [Q96P31](#)

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 contains immunoreceptor-tyrosine activation motifs and immunoreceptor-tyrosine inhibitory motifs in its cytoplasmic domain and may play a role in regulation of the immune system. Mutations in this gene have been associated with rheumatoid arthritis, autoimmune thyroid disease, and systemic lupus erythematosus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]

Product images:



Circular map for RG214467