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Product datasheet for RC228294

FCRL1 (NM_001159397) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FCRL1 (NM_001159397) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FCRL1
Synonyms:	CD307a; FCRH1; IFGP1; IRTA5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC228294 representing NM_001159397
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGCCGAGGCTGTTGCTGTTGATCTGTGCTCCACTCTGTGAACCTGCCGAGCTGTTTTTGATAGCCA
GCCCCTCCCATCCCACAGAGGGGAGCCCAGTGACCCTGACGTGTAAGATGCCCTTTCTACAGAGTTCAGA
TGCCCAGTTCCAGTTCTGCTTTTTCAGAGACACCCGGGCCTTGGGCCCAGGCTGGAGCAGCTCCCCCAAG
CTCCAGATCGCTGCCATGTGGAAAGAAGACACAGGGTCATACTGGTGCGAGGCACAGACAATGGCGTCCA
AAGTCTTGAGGAGCAGGAGATCCCAGATAAATGTGCACAGGGTCCCTGTCGCTGATGTGAGCTTGGAGAC
TCAGCCCCCAGGAGGACAGGTGATGGAGGGAGACAGGCTGGTCCTCATCTGCTCAGTTGCTATGGGCACA
GGAGACATCACCTTCCTTTGGTACAAAGGGGCTGTAGGTTTAAACCTTCAGTCAAAGACCCAGCGTTCAC
TGACAGCAGAGTATGAGATTCCTTCAGTGAGGGAGAGTGATGCTGAGCAATATTACTGTGTAGCTGAAAA
TGGCTATGGTCCCAGCCCCAGTGGGCTGGTGAGCATCACTGTCAGAATCCCGGTGTCTCGCCCAATCCTC
ATGCTCAGGGCTCCCAGGGCCCAGGCTGCAGTGGAGGATGTGCTGGAGCTTCACTGTGAGGCCCTGAGAG
GCTCTCCTCCGATCCTGTACTGGTTTTATCACGAGGATATCACCCTGGGGAGCAGGTCGGCCCCCTCTGG
AGGAGGAGCCTCCTTCAACCTTTCCCTGACTGAAGAACATTCTGGAAACTACTCCTGTGAGGCCAACAAT
GGCCTGGGGGCCCAGCGCAGTGAGGCGGTGACACTCAACTTCACAGGAAGACGTTCAGCCAGGGATCCAC
TCAGGAGCCTTCCCAGCCCTCTACCCCAAGAGTTCACCTACCTCAACTCACCTACCCCAGGGCAGCTACA
GCCTATATATGAAAATGAACCAAGAGAACAATCAGTGGCTGTGCATGGCAGACAACAGCATTCCTCAGAG
CAGAAGGCTCAGAAACCCTGGGGACACATATGGAGGACAAGGTTTCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

>RC228294 representing NM_001159397
Red=Cloning site Green=Tags(s)

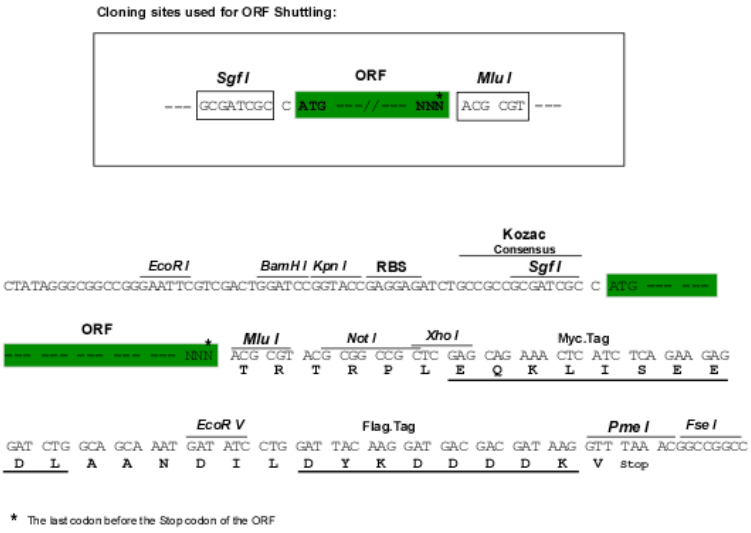
MLPRLLLLICAPLCEPAELFLIASPSHPTEGSPVTLTCKMPFLQSSDAQFQFCFFRDTRALGPGWSSSPK
LQIAAMWKEDTGSYWCEAQTMASKVLRSRRSQINVHRVPVADVSLETQPPGGQVMEGDRLVLICSVAMGT
GDITFLWYKGAVGLNLQSKTQRSLTAEYEIPSVRESDAEQYYCVAENGYGPSPSGLVSITVRIPVSRPIL
MLRAPRAQAAVEDVLELHCEALRGSPPILYWFYHEDITLGSRSAPSGGGASFNLSLTEEHSGNYSCEANN
GLGAQRSEAVTLNFTGRRSARDPLRSLPSPLPQEFTYLNSPTPGQLQPIYENEPREQSVAVHGRQQHSSE
QKAQKPWGHIWRTRFP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg8004_c03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001159397

ORF Size: 1098 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_001159397.2

RefSeq ORF: 1101 bp

Locus ID: 115350

UniProt ID: Q96LA6

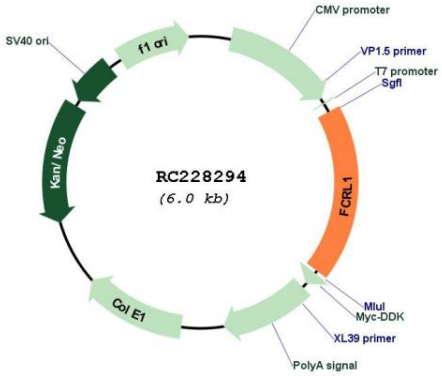
Cytogenetics: 1q23.1

Protein Families: Transmembrane

MW: 40.43 kDa

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 three extracellular C2-like immunoglobulin domains, a transmembrane domain and a cytoplasmic domain with two immunoreceptor-tyrosine activation motifs. This protein may play a role in the regulation of cancer cell growth. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2009]

Product images:



Circular map for RC228294