

## Product datasheet for **MR220848**

### Fcrl1 (NM\_178165) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fcrl1 (NM_178165) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fcrl1
Synonyms:	A230020G22Rik; Bxmas1; Bxmh1; Bxmh1b; Fcrh1; Fcrh1l; Fcrh1s; Ifgp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220848 representing NM_178165 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTACCTTGGCTCCTGCTACTGATCTGTGCTCTACCGTGTGAACCTGCTGGAATCTCTGATGTGAGCT  
TGAAGACACGGCCCCAGGAGGATGGGTGATGGAGGGAGACAAGCTGGTCCCTCATCTGCTCGTTGATAG  
AGTCACTGGGAATATAACTTACTTCTGGTACAGAGGGCCCTGGGTTTCCAAGTGGAAACAAGACACAA  
CCTTCACTAACAGCAGAGTTTGAGATCAGTGACATGAAGCAGAGCGATGCTGATCAATTAAGTGTGCGG  
CTAACGATGGCCACGACCCTATCCCCAGTGAGCTGGTGGCATCCACGTCAGAGTCCAGTGTCTCGCCC  
TGTCTTACGTTTGGGGACTCTGGAACCCAGGCTGTGCTAGGGGACCTGGTGGAGCTTCACTGTAAGGCC  
CTGAGAGGCTCACCCCAATCTTCTACCACTTTATCATGAGAGCATCATCCTGGGGAACAGTTCAGCAC  
CCTCTGGAGGAGGAGCATCCTTCAACTTCTCCCTGACTGCAGAACATTCTGGAACTTCTCCTGTGAGGC  
CAGCAATGGACAGGGTGCCCAACGAAGTGAGGTGGTCTCAACTAACAGGTCTCTCCTTAGTGCTT  
ACTGAGAATGGAATCAGCCATCTCTCCTTAGGACTCACTGGGTGGCTGCTTGGCTGTCTTAGCCTCATCA  
CCATGGCCTTAATATTTGCTACTGGCTCAAGAGAAAAATAGGAAGACAATCAGAGGATCCAGTCAGGAG  
CCCTCCTCAGACTGTGCTCAAGGATCCACCTACCCCAACCCCGACTCAAGGCAGCCAGAGCCCCTG  
TATGAGAACGTGAACGTTGTAAGTGGCAATGAAGTGTACTCTCTGGTGTACCACACCCCGAGGTGCTGG  
AACCAGCAGAGCTCAGCATGTGAGGACACACGGAGTAAGTGAATCCTTTCAAGTCTCCTCTGGACTCTA  
TTCTAAGCCAAGGATAAACATTGCACATATGGACTATGAAGACGCCATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR220848 representing NM\_178165  
Red=Cloning site Green=Tags(s)

MLPWLLLLICALPCEPAGISDVSLKTRPPGGWVMEGDKLVLICSVDRVTGNITYFWYRGALGFQLETKTQ  
 PSLTAEFEISDMKQSDADQYYCAANDGHDPISSELVSIHVRVPVSRPVLTFGDSGTQAVLGDLVELHCKA  
 LRGSPPIFYQFYHESIILGNSSAPSGGGASFNFSLTAEHSGNFSCEASNGQGAQRSEVVALNLTGLSLVP  
 TENGISHLGLGLGWLLGCLSLITMALIFCYWLKRKIGRQSEDPVRSPPQTVLQGSTYYPKPPDSRQPEPL  
 YENVNVVSGNEVYSLVYHTPQVLEPAAAQHVVRTHGVSESFQVSSGLYSKPRINIAHMDYEDAM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_178165

**ORF Size:** 1029 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\\_178165.4](#), [NP\\_835459.1](#)

**RefSeq Size:** 1982 bp

**RefSeq ORF:** 1032 bp

**Locus ID:** 229499

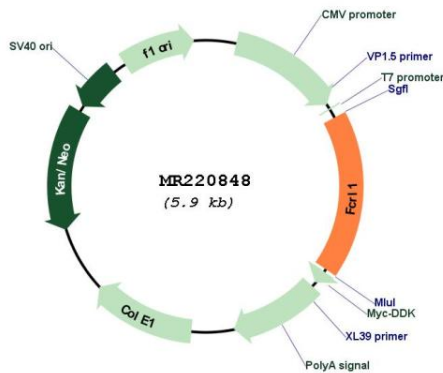
**UniProt ID:** [Q8R4Y0](#)

**Cytogenetics:** 3 F1

**MW:** 37.8 kDa

**Gene Summary:** May function as an activating coreceptor in B-cells. May function in B-cells activation and differentiation (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR220848