

## Product datasheet for **MR218784**

### **Crlf1 (NM\_018827) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Crlf1 (NM_018827) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Crlf1
Synonyms:	CLF-; CLF-1; CRL; CRLM-3; CRLM3; NR6; NR6.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR218784 representing NM\_018827  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCCGCGGGTCGCCCGGGCCCGTCGCCAATCCGCGCGGGCGGCCCGCGGGCCGCTGTCTCGCTGT  
 GGTGCGCTCTGTTGCTCTGTGCTCTCGGGTGCCTCGGGCGGATCGGGAGCCACACAGCTGTAATCAG  
 CCCCCAGACCCACCCCTTCTCATCGGCTCCTCCCTGCAAGCTACCTGCTCTATACATGGAGACACACCT  
 GGGGCCACCGCTGAGGGGCTCTACTGGACCCTCAATGGTCGCGCCTGCCCTCTGAGCTGTCCCGCTCC  
 TTAACACCTCCACCCTGGCCCTGGCCCTGGCTAACCTTAATGGGTCCAGGCAGCAGTCAGGAGACAATCT  
 GGTGTGTACGCCCAGATGGCAGCATTCTGGCTGGCTCCTGCCTCTATGTTGGCTTGCCCCCTGAGAAG  
 CCTTTTAAACATCAGCTGCTGGTCCCGAACATGAAGGATCTCACGTGCCGCTGGACACCGGGTGCACACG  
 GGGAGACATTCTACATACCAACTACTCCCTCAAGTACAAGCTGAGGTGGTACGGTCAGGATAACACATG  
 TGAGGAGTACCACACTGTGGCCCTCACTCATGCCATATCCCAAGGACCTGGCCCTCTTACTCCCTAT  
 GAGATCTGGGTGGAAGCCACCAATCGCCTAGGCTCAGCAAGATCTGATGTCTCACACTGGATGTCTGG  
 ACGTGGTGACCACGGACCCCCACCCGACGTGCACGTGAGCCGCGTTGGGGCCCTGGAGGACCAGCTGAG  
 TGTGCGCTGGGTCTACCACCAGCTCTCAAGGATTTCTCTTCCAAGCCAAGTACCAGATCCGCTACCGC  
 GTGGAGGACAGCGTGGACTGGAAGGTGGTGGATGACGTGACGAACCAGACCTCCTGCCGTCTCGCGGGCC  
 TGAAGCCCGGCACCGTTTACTTCGTCCAAGTGCCTTGTAAACCCATTGGGATCTATGGGTGAAAAAGGC  
 GGAATCTGGAGCGAGTGGAGCCACCCACCGCTGCCTCCACCCCTCGAAGTGAAGCGCCCGGGCCCGGC  
 GCGGGGTGTGCGAGCCCGGGCGGCGAGCCAGCTCGGGCCCGGTGCGGCGGAGCTCAAGCAGTTCC  
 TCGGCTGGCTCAAGAAGCACGACGACTACTGCTCGAACCTTAGTTTCCGCTGTACGACCAGTGGCGTGTG  
 GATGCAGAAGTCACACAAGACCCGAAACCAGGACGAGGGGATCCTGCCCTCGGGCAGACGGGTGCGGCG  
 AGAGGTCTCGCCGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR218784 representing NM\_018827  
 Red=Cloning site Green=Tags(s)

MPAGRPGPVAQSARRPPRPLSSLWSPLLLCVLGVPRGGGAHTAVISPQDPTLLIGSSLQATCSIHGDP  
 GATAEGLYWTNGRRLPSEL SLLNNTSLALALANLNGSRQQSGDNLVCHARDGSLAGSCLYVGLPPEK  
 PFNISCWSRNMKDLTCRWTPGAHGETFLHTNYSKYKLRWYQDNTCEEYHTVGPHSCHIPKDLALFTPY  
 EIWVEATNRLGSARSDVLTLDVLDVVTDPDPVHVS RVGLEDQLSVRWVSPALKDFLFQAKYQIRYR  
 VEDSVDWKVVDDVSNQTSCLAGLKPVTYFVQVRCNPFYIGSKKAGIWEWSHPTAASTPRSERPGPG  
 GGVCPEPRGEPSSGPVRRELKQFLGWLKHKHAYCSNLSFRLYDQWRAMMQKSHKTRNQDEGILPSGRRGAA  
 RGPAG

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9006\\_f05.zip](https://cdn.origene.com/chromatograms/mm9006_f05.zip)

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

**ACCN:** NM\_018827

**ORF Size:** 1275 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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).

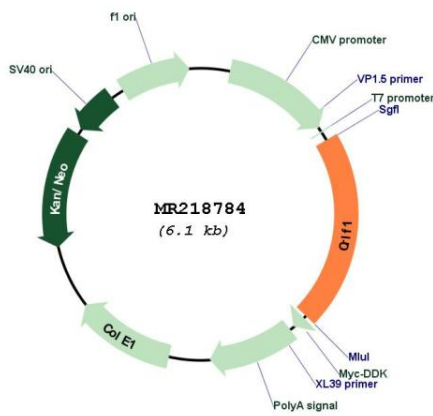
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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\\_018827.4](#)

RefSeq Size: 1646 bp  
 RefSeq ORF: 1278 bp  
 Locus ID: 12931  
 UniProt ID: [Q9JIM58](#)  
 Cytogenetics: 8 34.15 cM  
 MW: 47.1 kDa

**Gene Summary:** This gene encodes a member of the cytokine type I receptor family. The encoded protein functions as a cytokine receptor subunit and may be involved in immune system regulation and fetal development. [provided by RefSeq, Dec 2015]

**Product images:**



Circular map for MR218784