

## Product datasheet for MR200630

### Ccdc134 (NM\_172428) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc134 (NM_172428) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccdc134
Synonyms:	2310042L06Rik; AW208859
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR200630 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACCTTCTTCAGTTCCTGGCAGCCTTCTCTGTCTCCTGTGGCCTGGCACGGAAGTCACAGGCGCCC  
TGAAGAGCACTCTGGACCCGAGCCTCAAGATTTACAAGAAGATGTTTGAGGTGAAGCGGCGAGAGCAGCT  
GTTGGCACTGAAGAACCTGGCGCAGCTGAATGACATCCACCAGCAGTACAAGATCCTGGATGTCATGCTT  
AAGGGACTCTTCAAGGTGCTGGAGGACTCCCGCACAGTGCTCATTGCTGCCGATGTGCTTCCAGACGGGC  
CGGTCCCCAGGATGAGAAGCTGAAGGATGCTTCTCGCACGTGGTGGAGAACACAGCCTTTTTTGGTGA  
CGTCGTGCTGCGCTTCCAAAGATTGTCCACCACTACTTTGACCATAATTCCAACCTGGAACCTCCTGATC  
CGCTGGGGCATCAGCTTCTGCAACCAGACAGGCGTCTTTGACCAGGGGCCCACTCACCCATCCTCAGCC  
TGATGGCCAGGAGCTGGGGATCACTGAGAAAGATTCTGACTTCCGGAACCCGTTTAAAACAGACCAGAC  
AGAGTTTATTCTAGCACCGACCCTTCCAGAAGGCTTTGAGGGAAGAAGAAAAACGCCGAAGAAGGAG  
GAGAGGCGGAAGGAGATCCGAAAGGCCCGAGGATTTCAAGATCCCAGTCTGAGTTG

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR200630 protein sequence  
Red=Cloning site Green=Tags(s)

MDLLQFLAAFSVLLWPGTEVTGALKSTLDPSLKIYKMFVEVKRREQLLALKNLAQLNDIHQQYKILDVML  
 KGLFKVLEDSRTVLIADVLDPGPVPQDEKLKDAF SHVVENTAFFGDVLRFPKIVHHYFDHNSNWNLLI  
 RWGISFCNQGTGVFDQGPSPILSLMAQELGITEKSDFRNPFKTDQTEFIPSTDPFPQKALREEEKRKKE  
 ERRKEIRKGPRISSRSQSEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** NM\_172428

**ORF Size:** 690 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\\_172428.2](#), [NP\\_766016.2](#)

**RefSeq Size:** 2073 bp

**RefSeq ORF:** 690 bp

**Locus ID:** 76457

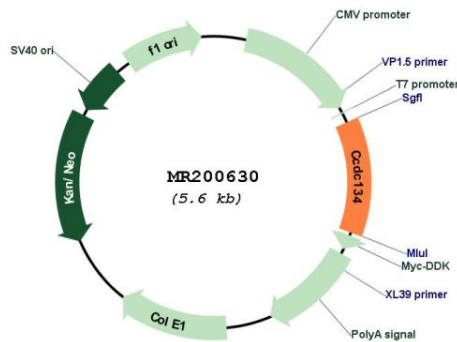
**UniProt ID:** [Q8C7V8](#)

**Cytogenetics:** 15 E1

**MW:** 26.5 kDa

**Gene Summary:** In extracellular secreted form, promotes proliferation and activation of CD8(+) T cells, suggesting a cytokine-like function. Enhances cytotoxic anti-tumor activity of CD8(+) T cells. May inhibit ERK and JNK signaling activity. May suppress cell migration and invasion activity, via its effects on ERK and JNK signaling.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR200630