

## Product datasheet for **RR208222**

### **Ccdc134 (NM\_001024355) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ccdc134 (NM\_001024355) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ccdc134  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR208222 representing NM\_001024355  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACCTGCTTCAGTCCTTGGCAGTCTTCTTTGCTGCTGTTGCCTGGCAGACAGTACAGGCACCC  
TGAAGAGCACTCTGGACCCAGCCTCAAATTTACAAGAAGATGTTTGAGGTGAAGCGTCGAGAGCAGCT  
GTTGGCGCTGAAGAATCTGGCTCAGCTGAACGACATCCACCAGCAGTACAAGATCCTCGATGTCATGCTT  
AAGGGACTCTTTAAGGTGCTGGAGGACTCCCGGACAGTGCCTATTGCTGCCGATGTGCTTCCAGACGGC  
CCCTCCCCAGGACGAGAAGCTGAAGGATGCTTCTCCCATGTGGTGGAGAACACAGCCTCTTTGGTGA  
TGTGGTGTGCGCTTCCGAAGATTGTACACCACTACTTTGACCATAATTCACACTGGAACCTGCTTATT  
CGCTGGGGCATCAGCTTCTGCAATCAGACAGGTGTCTTTGACCAGGGGCCCACTCACCCGTCTCAGCC  
TGATGGCCAGGAGCTGGGGATCACTGAGAAGGATTCTGACTTCCAGAACCATTACAATAGACCCGGAC  
CGAGTTTATTCTAGCACTGACCCTTTCCAGAAGGCTTTGAGGGAAGAAGAAAAACGCCGAAGAAGGAG  
GAGAAGCGAAAGAGATCCGAAAGGCCAAGAATTTCAAGATCCAGTCTGAGTTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR208222 representing NM\_001024355  
Red=Cloning site Green=Tags(s)

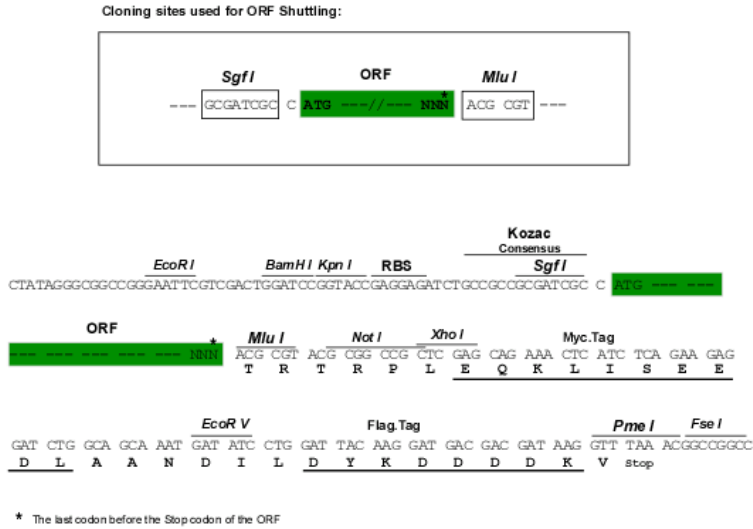
MDLLQSLAVFFVLLLLPGTEVTGTLKSTLDPSLKIYKKMFEVKRREQLLALKNLAQLNDIHQQYKILDVML  
KGLFKVLEDSRTVLLIAADVLPDGPLPQDEKLKDAF SHVVENTAFFGDVVLRFPKIVHHYFDHNSNWNLLI  
RWGISFCNQTGVFDQGPSPVLSLMAQELGITKDSDFQNPFTIDRTEFIPSTDPFQKALREEEKRRKKE  
EKRKEIRKGPRIISRSQSEL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

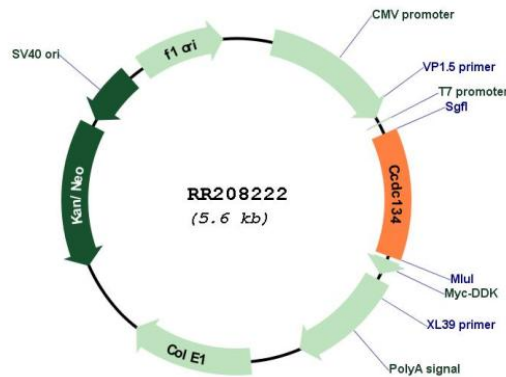


Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001024355

ORF Size: 687 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001024355.1</a></u> , <u><a href="#">NP_001019526.1</a></u>
<b>RefSeq Size:</b>	1583 bp
<b>RefSeq ORF:</b>	690 bp
<b>Locus ID:</b>	500909
<b>UniProt ID:</b>	<u><a href="#">Q5M862</a></u>
<b>Cytogenetics:</b>	7q34
<b>MW:</b>	26.4 kDa
<b>Gene Summary:</b>	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]