

## Product datasheet for **RR212129**

### **Ccdc34 (NM\_001108587) Rat Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc34 (NM_001108587) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccdc34
Synonyms:	RGD1560583
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR212129 representing NM_001108587 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACAACAAGCCTAGTGCTGGCGCTGATTGGCCGGAGGGTGCAGCGCCGGAGACTGCTGGGAGAACGC  
GACGCGGCCCTGCTCGGGCCGTTTGAAGTGGCGGGCTGATGCAGGCGCGGGTCTTGGCGGGCCGC  
CTCTCCCGTTCCTTGACCCGCTACCTCGCCCGCTGCAAGCCCGGCTCCGGCCCTCTCAAGCTTTGTC  
GTCGACCTCATAGTGGATTCTCAGGGCCAGGGTGGAGGATGTGGCGTTGACCGAGTGTGTTGCCGC  
CGTCTCTGAGCTGCAGCAACTCCACCCTGTCCCTGTTGTCTCCCTTGGCCACCGGAGCTTCCATTGG  
CGAGGACGACAGTGAGGGGGAGGATGAAGAGGCCCTGGACGAAGATGCCTGTGAGTCAGAGGCCAAGGTG  
GAGAGCTTGAAGGAATGGAGTTACAGGGCCGCTCCAGCTGTGAAGTTGAGTCCCAGGACAACAAGAAG  
AGAAGCAAGTGTGTTACAGGAAAGCAGTCTGACACCATGGGAGATGTGGTTTGTGGCAAGAAAAGGA  
AGAGCGTGGCCGGCTACAACAGAAAGTTCTGGAGGAATTAATCGACAAATAGAAAAAGAAAAGAAATG  
GAAGAAGTGAAGAAAAGAGTACAAAAATTAATAAAGAAATGGAAGAAAAAGCAGCAAAAAACGGGAGAA  
AGAACATTTGCAAGAAAAAGCAAAAGAAAAATATCAAGAATGTTGAAGAAAAAAGCTGAAGAATGT  
GAGAAGAAGAAAAAGAAAGGATTTTTAATTGAAGTAGCCAGTCATAGTACACACTTTGTTGTTTATA  
TGTGATTTTAGAAACAAAAGTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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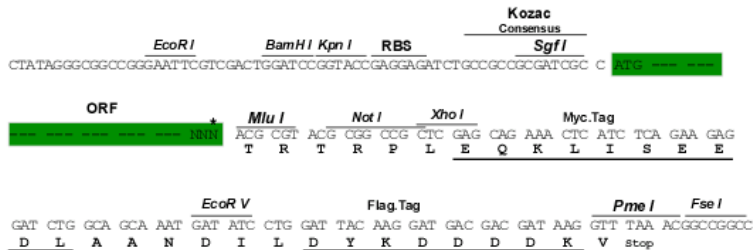
**Protein Sequence:** >RR212129 representing NM\_001108587  
Red=Cloning site Green=Tags(s)

MTTRPSAGADWPEGARAETAGTRRRRPPCSGRNLNLAGLMQAAGPWRAASVPCTRYLARCKPGFRPSSSFV  
VDLIVDSQGPGLLEDVALTECLLPPSLSCSNSTLSLLSPLGHRSPFPGEDDSEGEDEEALDEDACESEAKV  
ESLEGMELQGRSSCEVESQDKQEEKVLLQESSLTPWEMWVFGKEKEERGRLQQKYLEELNRQIEKRKEM  
EEREKRKIIEAVKHKEWVQKKNKQERKERVQKINKEMEEKAARKREKHEHLQEKAKEKYQEWLKKKKAEEC  
EKKKKEKVFLIEVASHSTHFVVYMCILETKV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



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

**ACCN:** NM\_001108587

**ORF Size:** 933 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\\_001108587.1](#), [NP\\_001102057.1](#)

**RefSeq Size:** 2530 bp

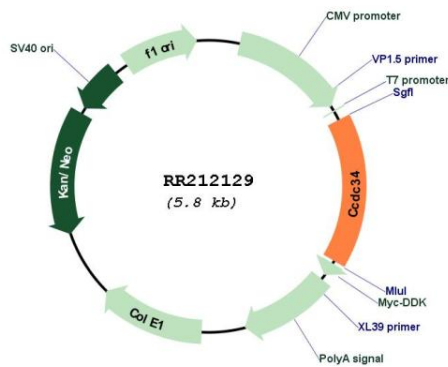
**RefSeq ORF:** 936 bp

**Locus ID:** 362187

**Cytogenetics:** 3q34

**MW:** 35.7 kDa

**Product images:**



Circular map for RR212129