

## Product datasheet for RC233912

### CCDC74A (NM\_001258304) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC74A (NM_001258304) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCDC74A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC233912 representing NM_001258304 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCGGTGCGGGGTGGCGGCTGGGACGCGCCCCCAGCTCGCCGACCCGGGCTCTCGGCGCCGGC  
GCCAGCGCCCCTCTGTGGGCGTCCAGTCCCTTGAGGCCGACAGCCCGAGCTCAGGCAGAGCGACCCGCA  
GAAACGGAACCTGGACCTGGAGAAAAGCCTGCAGTTCCTGCAGCAGCAGCACTCGGAGATGCTGGCCAAG  
CTCCATGAGGAGATCGAGCATCTGAAGCGGGAAAACAAGGGTGAGCCGGCGGGGGCCCTAGGCCGGCC  
TGCCCTCCCAGGCACACTCAACTGCCGCTCCCGCAGCACAGAAACACAGCCATCAACTCCAGCACACG  
CCTGGGCTCAGGGGAACACAGGACGATCTCCATTACAAGCTCATAATGAATCAGACATCACAGAAGAAA  
GATGGCCCTCAGGAAACCACCTTTCCAGGCGCTCTGCTCCCTTGGGCGCTCGTGGGTCTGCATCAACG  
GAGTGTGGGTAGAGCCGGGAGGCCAGCCCTGCCAGGCTGAAGGAGGGCTCCTCACGGACACACAGGCC  
AGGAGGCAAGCGTGGGCGTCTTGGGGCGGTAGCGCCGACACTGTGCGCTCTCCTGCAGACAGCCTCTCC  
ATGTCAAGCTTCCAGTCTGTCAAGTCCATCTTAATTGAGCAAGGCCAGGCCCCAGCCCGGCTCCTTCA  
ACAAGCAAGATTCAAAAGCTGACGTCTCCAGAAAGCGGACCTGGAAGAGGAGCCCTACTTCACAACAG  
CAAGCTGGACAAAGTTCTGGGTACAAGGGCAGGCCAGGCAGTGCAGAGTGCATCCGCGAGCTGTGG  
AATACCAACCTCCTGCAGACCAAGAGCTGCGGCACCTCAAGTCCCTCCTGGAAGGAGCCAGAGGCCCC  
AGGCAGCCCCGGAGGAAGCTAGCTTCCAGGGACCAAGAAGCCACGCATTTCCCAAGGTCTCCACCAA  
GAGCCTCTCCAAGAAATGCCTGAGCCACCTGTGGCGGAGCGTGCCATCCTGCCCGCACTGAAGCAGACC  
CCGAAGAACAACCTTTGCCGAGAGGCAGAAGAGGCTGCAGGCAATGCAGAAACGGCGCCTGCATCGCTCAG  
TGCTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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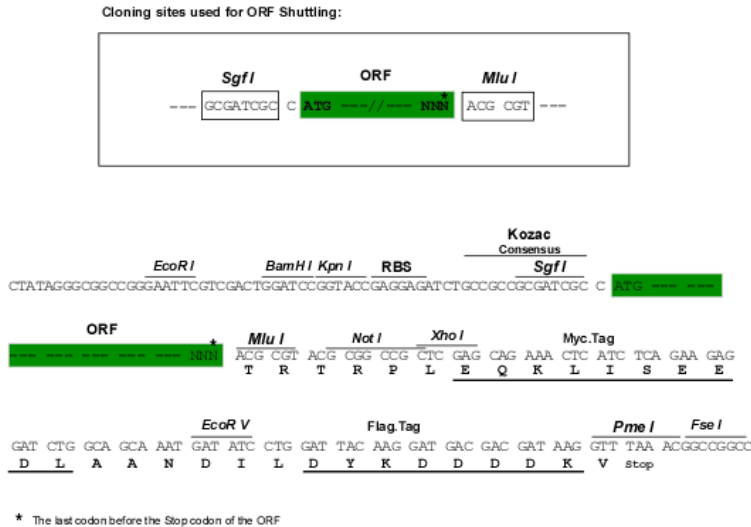
**Protein Sequence:** >RC233912 representing NM\_001258304  
Red=Cloning site Green=Tags(s)

MSGAGVAAGTRPPSSPTPGSRRRRQRPSVGVQSLRPQSPQLRQSDPQKRNLDEKSLQFLQQHSEMLAK  
 LHEEIEHLKRENKGEARGPRPALPPQAHSTLPLPQHRNTAINSSTRLLGSGGTQDDLHYKLIMNQT SQKK  
 DGPSGNHL SRASAPL GARWVCINGVWVEPGGSPARLKEGSSRTHRPGGKRGRLAGGSADTVRSPADSL S  
 MSSFQSVKSI SNSGKARPQPGSFNKQDSKADVSQKADLEEEPL LHNSKLDKVPGVQGOARQCEVL IRELW  
 NTNLLQTQELRHLKSLLEGSQRQAAPEEASFPRDQEATHFPKVSTKSLSKKCLSPVVAERAILPALKQT  
 PKNNFAERQKRLQAMQKRRLHRSVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001258304

**ORF Size:** 1125 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\\_001258304.3](#)

**RefSeq Size:** 1548 bp

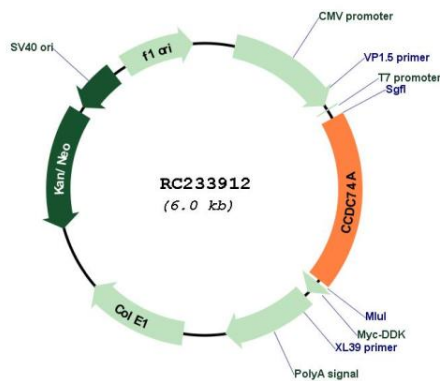
**RefSeq ORF:** 1128 bp

**Locus ID:** 90557

**Cytogenetics:** 2q21.1

**MW:** 41.7 kDa

**Product images:**



Circular map for RC233912