

Product datasheet for **RG233912**

CCDC74A (NM_001258304) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC74A (NM_001258304) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCDC74A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG233912 representing NM_001258304 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCGGTGCGGGGTGGCGGCTGGGACGCGCCCCCAGCTCGCCGACCCGGGCTCTCGGCGCCGGC
GCCAGCGCCCCTCTGTGGGCGTCCAGTCCCTTGAGGCCGACAGCCCGAGCTCAGGCAGAGCGACCCGCA
GAAACGGAACCTGGACCTGGAGAAAAGCCTGCAGTTCCTGCAGCAGCAGCACTCGGAGATGCTGGCCAAG
CTCCATGAGGAGATCGAGCATCTGAAGCGGAAAACAAGGGTGAGCCGGCGGGGGCCCTAGGCCGGCC
TGCTCCCCAGGCACACTCAACTGCCGCTCCCGCAGCACAGAAACACAGCCATCAACTCCAGCACAG
CCTGGGCTCAGGGGAACACAGGACGATCTCCATTACAAGCTCATAATGAATCAGACATCACAGAAGAAA
GATGGCCCTCAGGAAACCACCTTTCCAGGCGCTCTGCTCCCTTGGGCGCTCGTGGGTCTGCATCAACG
GAGTGTGGGTAGAGCCGGGAGGACCCAGCCCTGCCAGGCTGAAGGAGGGCTCCTCACGGACACACAGGCC
AGGAGGCAAGCGTGGGCGTCTTGGGCGGTAGCGCCGACACTGTGCGCTCTCCTGCAGACAGCCTCTCC
ATGTCAAGCTTCCAGTCTGTCAAGTCCATCTCTAATTCAGGCAAGGCCAGGCCCCAGCCCGGCTCCTTCA
ACAAGCAAGATTCAAAAGCTGACGTCTCCAGAAGGCGGACCTGGAAGAGGAGCCCTACTTCACAACAG
CAAGCTGGACAAAGTTCCTGGGTACAAGGGCAGGCCAGGCAGTGCAGAGTGCATCCGCGAGCTGTGG
AATACCAACCTCCTGCAGACCCAAGAGCTGCGGCACCTCAAGTCCCTCCTGGAAGGAGCCAGAGGCCCC
AGGCAGCCCCGGAGGAAGCTAGCTTCCAGGGACCAAGAAGCCACGCATTTCCCAAGGTCTCCACCAA
GAGCCTCTCCAAGAAATGCCTGAGCCCACCTGTGGCGGAGCGTCCATCCTGCCCGCACTGAAGCAGACC
CCGAAGAACAACCTTTGCCGAGAGGCAGAAGAGGCTGCAGGCAATGCAGAAACGGCGCCTGCATCGCTCAG
TGCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG233912 representing NM_001258304
 Red=Cloning site Green=Tags(s)

MSGAGVAAGTRPPSSPTPGSRRRRQRPSVGVQSLRPQSPQLRQSDPQKRNL DLEKSLQFLQQHSEMLAK
 LHEEIEHLKRENKGEARGPRPALPPQAHSTLPLPQHRNTAINSSTRLGSGGTQDDLHYKLIMNQT SQKK
 DGPSGNHL SRASAPL GARWVCINGVWVEPGGSPARLKEGSSRTHRPGGKRGRLAGGSADTVRSPADSL S
 MSSFQSVKSI SNSGKARPQPGSFNKQDSKADVSQKADLEEEPL LHNSKLDKVPGVQGARQCEVL IRELW
 NTNLLQTQELRHLKSLLEGSQRQAAPEEASFPRDQEATHFPKVSTKSLSKKCLSPVVAERAILPALKQT
 PKNNFAERQKRLQAMQKRRLHRSVL

TRTRPLE - GFP Tag - V

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](#)

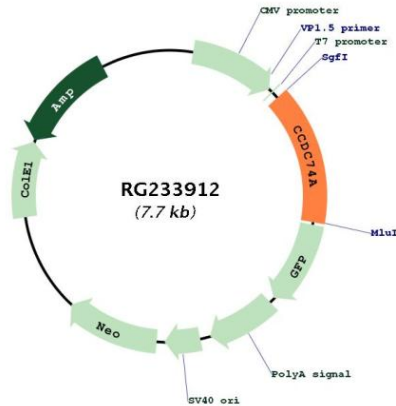
RefSeq Size: 1548 bp

RefSeq ORF: 1128 bp

Locus ID: 90557

Cytogenetics: 2q21.1

Product images:



Circular map for RG233912