

Product datasheet for **RG220988**

CCDC74A (NM_138770) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC74A (NM_138770) 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:	>RG220988 representing NM_138770 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCGGTGCGGGGTGGCGGCTGGGACGCGGCCCCCAGCTCGCCGACCCGGGCTCTCGGCGCCGGC
GCCAGCGCCCCTGTGGGCGTCCAGTCTTTGAGGCCGACAGCCCGAGCTCAGGCAGAGCGACCCGCA
GAAACGGAACTGGACCTGGAGAAAAGCCTGCAGTTCCTGCAGCAGCAGCACTCGGAGATGCTGGCCAAG
CTCCATGAGGAGATCGAGCATCTGAAGCGGGAAAACAAGGATCTCCATTACAAGCTCATAATGAATCAGA
CATCACAGAAGAAGATGGCCCCTCAGGAAACCACCTTTCCAGGGCTCTGCTCCCTTGGGCGCTCGCTG
GGTCTGCATCAACGGAGTGTGGGTAGAGCCGGGAGGACCCAGCCCTGCCAGGCTGAAGGAGGGCTCCTCA
CGGACACACAGGCCAGGAGGCAAGCGTGGGCGTCTTGGCGGCGGTAGCGCCGACACTGTGCGCTCTCCTG
CAGACAGCCTCTCCATGTCAAGCTTCCAGTCTGTCAAGTCCATCTCTAATTCAGGCAAGGCCAGGCCCA
GCCCGGCTCCTTCAACAAGCAAGATTCAAAGCTGACGTCTCCAGAAGGCGGACCTGGAAGAGGAGCCC
CTACTTCAACAAGCAAGCTGGACAAAGTCTGGGGTACAAGGGCAGGCCAGAAAGGAGAAAGCAGAGG
CCTCTAATGCAGGAGCTGCCTGTATGGGAAACAGCCAGCACCAGGGCAGGCAGATGGGGCGGGGGCACA
CCCCCAATGATCCTGCCCTTCCCCTGCGAAAGCCCACCACACTTAGGCAGTGCAGAGTCTCATCCGC
GAGCTGTGGAATACCAACCTCCTGCAGACCAAGAGCTGCGGCACCTCAAGTCCCTCCTGGAAGGGAGCC
AGAGGCCCCAGGCAGCCCGGAGGAAGTAGCTTTCCAGGGACCAAGAAGCCACGCATTTCCCAAGGT
CTCCACCAAGAGCCTCTCAAGAAATGCCTGAGCCACCTGTGGCGGAGCGTGCCATCCTGCCCGCACTG
AAGCAGACCCCGAACAACCTTTCGCCGAGAGGCAAGAGGCTGCAGGCAATGCAGAAACGGCGCCTGC
ATCGCTCAGTGCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG220988 representing NM_138770
Red=Cloning site Green=Tags(s)

MSGAGVAAGTRPPSSPTPGSRRRRQRPSVGVQSLRPQSPQLRQSDPQKRNL DLEKSLQFLQQHSEMLAK
 LHEEIEHLKRENKDLHYKLI MNQTSQKKDGP SGNHLSRASAPLGARWVCINGVWVEPGGSPARLKEGSS
 RTHRPGGKRGRLAGGSADTVRSPADSL SMSSFQSVKSI SNSGKARPQPGS FNKQDSKADVSQKADLEEEP
 LLHNSKLDKVPVQGGQARKEAEASNAGAACMGNSQHQRQMGAGAHPPMILPLLRKPTTLRQCEVLIR
 ELWNTNLLQTQELRHLKSLLEGSQRPQAAPEEASFPRDQEATHFPKVSTKSLSKKCLSPVAERAILPAL
 KQTPKNFAERQKRLQAMQKRRLHRSVL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_138770

ORF Size: 1134 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_138770.4](#)

RefSeq Size: 1472 bp

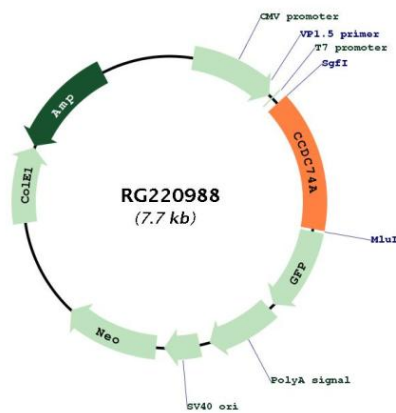
RefSeq ORF: 1137 bp

Locus ID: 90557

UniProt ID: [Q96AQ1](#)

Cytogenetics: 2q21.1

Product images:



Circular map for RG220988