

Product datasheet for **RG203866**

CCDC74B (NM_207310) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC74B (NM_207310) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCDC74B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203866 representing NM_207310 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCGGTGCGGGGTGGCGGCTGGGACGCGCCCCCAGCTCGCCGACCCGGGCTCTCGGCGCCGGC
GCCAGCGCCCCTGTGGGCGTCCAGTCCCTTAGGCGCCGACAGCCCGAGCTCAGGCAGAGCGACCCGCA
GAAACGGAACCTGGACCTGGAGAAGAGCCTACAGTTCCTGCAGCAGCAGCACTCGGAGATGCTGGCCAAG
CTCCATGAGGAGATCGAGCATCTGAAGCGGGAAAACAAGGATCTCCGTTACAAGCTCATAATGAATCAGA
CATCACAGAAGAAGATGGCCCCTCAGGAAACCACCTTTCCAGGGCTCTGCTCCCTGGGCGCTCGCTG
GGTCTGCATCAACGGAGTGTGGGTAGAGCCGGGAGGACCCAGCCCTGCCAGGCTGAAGGAGGGCTCCTCA
CGGACACACAGGCCAGGAGGCAAGCATGGGCGTCTTGGCGGGCGGTAGCGCCGACACTGTGCGCTCTCCTG
CAGACAGCCTCTCCAGTCAAGCTTCCAGTCTGTCAAGTCCATCTCTAATTAGGCAAGGCCAGGCCCA
GCCCAGGCTCCTTCAACAAGCAAGATTCAAAGCTGACGTCCCCAGAGGCGGACCTGGAAGAGGAGCCC
CTACTTCAACAAGCAAGCTGGACAAGGTTCTGGGGTACAAGGGCAGGCCAGAAAGGAGAAAGCAGAGG
CCTCTAACGCAGGAGCTGCCTGTATGGGGAACAGCCAGCACCAGGGCAGGCAGATGGGGCGCGGCACA
CCCCCAATGATCCTGCCCTTCCCCTGCGAAAGCCACCACACTTAGGCAGTGCGAAGTCTCATCCGC
GAGCTGTGGAATACCAACCTCCTGCAGACCAAGAGCTGCAGCACCTCAAGTCCCTCCTGGAAGGGAGCC
AGAGGCCCCAGGAGTCCCGGAGGAAGTAGCTTCCCAGGGACCAAGAAGCCACGCATTTCCCCAAGGT
CTCCACCAAGAGCCTCTCAAGAAATGCCTGCTTCTGAGCCCACCTGTGGCGGAGCGTGCCATCCTGCC
GCACTGAAGCAGACCCCGAAGAACAACCTTTGCCGAGAGGCAAGAGGCTGCAGGCAATGCAGAAACGGC
GCCTGCATCGCTCGGTGCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203866 representing NM_207310
Red=Cloning site Green=Tags(s)

MSGAGVAAGTRPPSSPTPGSRRRRQRPSVGVQSLRPQSPQLRQSDPQKRNL DLEKSLQFLQQHSEMLAK
 LHEEIEHLKRENKDLRYKLI MNQTSQKKDGP SGNHLSRASAPLGARWVCINGVWVEPGGSPARLKEGSS
 RTHRPGGKHGRLAGGSADTVRSPADSLSTSSFQSVKSI SMSGKARPQPGS FNKQDSKADVPQKADLEEEEP
 LLHNSKLDKVPVQGGQARKEAEASNAGAACMGNSQHQRQMGA AAHPPMILPLRKP TTLRQCEVLIR
 ELWNTNLLQTQELQHLKSLLEGSQRPAVPEEASFPRDQEATHFPKVSTKSLSKKCLLLSPPVAERAILP
 ALKQTPKNNFAERQKRLQAMQKRRLHRSVL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_207310

ORF Size: 1140 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_207310.4](#)

RefSeq Size: 1553 bp

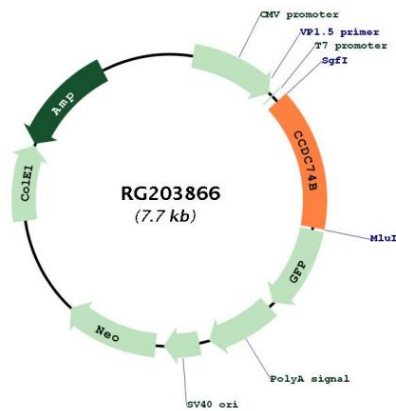
RefSeq ORF: 1143 bp

Locus ID: 91409

UniProt ID: [Q96LY2](#)

Cytogenetics: 2q21.1

Product images:



Circular map for RG203866