

Product datasheet for **RG238964**

CCDC138 (NM_001303105) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC138 (NM_001303105) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCDC138
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG238964 representing NM_001303105.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGAGCCGAGGGTCGTCAAGCCACCGGGCAGGATTTAGTAGTGGAGAGTCTCAAAGCCGCTACGGA
CTCGGGGGCAGCTGCCCGCAGGATGATTTTTCAAATTTTTATCAGTCTAAGTATAAGAGAAGAACT
CTAACCTCCCAGGTGATTTGGATATCTACTCTGGAGATAAAGTTGGTTCATCGTTAAAAATTCTGAT
GAAAGCAAGCATTGTAGAACACCATTGGGCAGCTTATTCAAGCAGTAAATGTGAATTGCCTAGATGAT
GAACTGGATTCTTTCCATGATTTGAAGAAACAGGAAACAGAAGAAGGTTAATTGAAAATGATTATAGA
GTTAGTACCTCGAAAATAACCAAGCAGTCTTTAAAGAAATAGAAAAAGTTGCCTTGCCAACTAATACG
ACCTCATCGAGACCTCGGACTGAGTGTTGTAGTGATGCAGGTGACTCTCCTTTGAAACCTGTCAGCTGT
CCAAAACTAAGCATCAGACAAGCGGAGTTTACTTCCACATCAGATCAGTCAGATATATGACGAATTA
TTTCAGATACATCTGAAATTGCAGTGTGAAACTGCAGCACAACAGAAATTTGCTGAAGAACTTCAAAG
CGAGAACGTTTTTACTTGAAAGAGAACAACCTGCTTTTCAGACATGAAAATGCCTTGAGTAAAATAAA
GGTGTTGAAGAAGAGTTCTTACAAGATTTCAAATTTAAAAGAGCAGCATGATGCAAGAAGTTGAACAC
TTAACCGAAGTTCTTAAGGAAAAGAATAAAGAAACCAAGAGACTGAGGTCTCTTTTGATGCATTGAAA
GAATTGAATGATACCTTAAAAAACAGTTAAATGAAGCAAGTGAAGAAAACAGGAAGATAGACATTCAG
GCTAAAAGAGTTCAAGCTCGTTTAGATAATTTACAGAGGAAGTACGAGTTTATGACAATACAGAGATTG
AAAGGAAGTTCCCATGCTGTTTATGAAATGAAAAGTTTAAACAAGAAAAGCACCAGTTTCAAACACT
TACAAGTACCACTTAATGGGCAAGTTTATGAACTTTTAACTGTCTTATGGACTGGATTTCGGATCAT
CATCTTAGCAAAGTGAACATGAAGAATCTGGAATGGATGGTAAAAACCACAACCTCAAATTTGCTTCC
CAGAGAATGATATTCAGGAGAAGTGTGTAAGCTTTTGCCTTAATGACAGAGCAGCTACAGTGGATG
CCATTTGTGAATATCAAACCTTACGAGCCTTTTGTAAAATTTATATATTGGTCCCTAAGGCAGCTAGAT
GCTGGAGCACAGCACTCGACTATGACATCAACATTGAGGAGATTGGGTGAAGACATTTTTAAAGGAGTG
GTAACATAAGGAATTCAGGATAATTCTCCACAGCATTCTGTGGAGAATAAACCAAGACAGCTGCTTTC
TTAAGAGCTCCAATTTGCCATTGAGATTTTTATCAACCTTAATTGTTCTCAAACAGTCACTCAAGCT
GATTACCTGGCTCAGGCATTTGATTCTCTTTGTTGGACTGAAGACAGAAGAAGGAAAAACCTTGTTT
TTGGAGTATCAGGCTGTTCCAGTAATTAAGTCATCTAAGAATATCCAGTAAAGGACTCCTGTCTAAT
GTTATTGATAGTTGCTCCAGATGACGGTGAATCTAGAGTAATAAGAAGCTCTTTGAACTTTTACGA
TTCATC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence:

>Peptide sequence encoded by RG238964
 Blue=ORF Red=Cloning site Green=Tag(s)

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MEPRVVKPPGQDLVVESLKSRYGLGGSCPDEYDFSNFYQSKYKRRTLTPGDLDIYSGDKVGSLLKYSD
ESKHCRTPPLGSLFKHVNVNCLDDELDSFHDLKKQETEEELIENDYRVSTSKITKQSFKEIEKVALPTNT
TSSRPRTECCSDAGDSPLKPVSCPCKSKASDKRSLPHQISQIYDELFIHLKLCQETAQQKFAEELQK
RERFLLEREQLLFRHENALSKIKGVEEVLTRFQIIEQHDAEVEHLTEVLKEKNKTKRLRSSFDALK
ELNDTLKKQLNEASEENRKIDIQAKRVQARLDNLQRKYEFMTIQRKLGSSHAVHEMKSLKQEKAPVSKT
YKVPNLNGQVYELLTVFMDWISDHHLKVKHEESGMDGKKPQLKFAQRNDIQEKCVKLLPLMTEQLQWM
PFVNIKLHEPFVKFIYWSLRQLDAGAQHSTMTSLRRLGEDIFKGVVTKGIQDNSPQHSVENKPKTAAF
FKSSNPLRFLSTLIVLKTVTQADYLAQAFDSLCLDLKTEEGKTLFLEYQAVPVILSHLRISSKGLLSN
VIDSLLQMTVESRVIRSSLNFLRFI
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYTNRIEKYEDGGVLHVSFSYRYEAGRVIQDFKVMGTGFPE
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPISILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001303105

ORF Size: 1731 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).

RefSeq: [NM_001303105.1](#), [NP_001290034.1](#)

RefSeq Size: 2281 bp

RefSeq ORF: 1734 bp

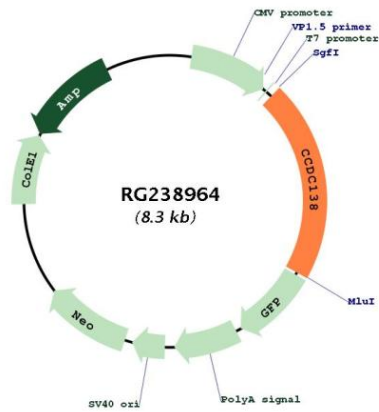
Locus ID: 165055

UniProt ID: [Q96M89](#)

Cytogenetics: 2q13

MW: 66.9 kDa

Product images:



Circular map for RG238964