

Product datasheet for **RG213511**

CCDC112 (NM_001040440) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC112 (NM_001040440) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCDC112
Synonyms:	MBC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG213511 representing NM_001040440
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGCACTGACGACGGTTGTGGTAGCGGCTGCGGCCACCGGGTAGCCGGGGCTGTGGCAGGGGCGG
 GCGCGGCCACCGGACCGCGTGGGAGCGACGCCAGCGCCTCAACAGAGTGATGGCTGTTTTAGTACTTC
 AGGTGGAATTCGTCCTTTTCATCTTCAGAACTGGAAGCAGAAAAGTTAATCAGACTAAGAAAAGCAGAAATTT
 GTACGCACAGCAGAAAAATTTAAAAATCAAGTAATTAACATGGAAAAAGATAAACACAGTCATTTCTACA
 ACCAAAAAGTGACTTCAGAATTGAGCATAGTATGCTAGAAGAATTGGAAAAATAATTGATTACAGCAG
 GAAAACAGAAAGAGCAAAAATCCAGCAACAATTGGCCAAAATACATAATAATGTAAGAAAATTCAGCAT
 CAATTAAGATGTGAAGCCTACACCTGATTTTGTGAGAAGCTCAGAGAAATGATGGAAGAAATGAAA
 ATGCAATTAACACTTTTTAAAGAAGAGCAGAGGTTGATATATGAAGAGCTAATTAAGAAGAGAAGACAAC
 TAATAATGAGTTGAGTGCCATATCAAGAAAAATTGACACATGGGCTTTGGGTAATTCAGAAACAGAGAAA
 GCTTTTCAGAGCAATCTCAAGCAAAGTTCCTGTAGACAAAAGTAACACCAAGTACTCTCCAGAAAGGTTAC
 TAGATTTTGAAAAATTCCTTCAGCAAAACAGGAGGGCGACAAGGTGCCTGGGATGATTATGATCACCGAA
 CTTTGTAAAGGTGAGAAACAAACATAAAGGGAAGCCAACATTTATGGAAGAAGTTCTAGAACACCTTCT
 GGAAAAACACAAGATGAAGTTCAACAGCATGAAAAATGGTATCAAAAAGTTCTGGCTCTAGAAGAAAAGAA
 AAAAGAGTCAATTCAGATTTGGAAAATAAAAAGCAGCAAAAAAGGGAGGAAATTTTCAAGTTAAAGGA
 AAAGGCAGACAACACACCTGTGCTTTTTCATATAAACAAGAGGATAATCAAAAGCAAAAAGAGGAACAA
 AGAAAGAAACAGAAATTTGCAGTTGAAGCTTGAAGAAACAGAAAAGTATAGAAATGTCAATGAAATGTG
 CTTCCAGTTAAAAGAAGAAGAAGAGAAAAGAAAACATCAGAAAGAACGCCAGCGCCAGTTTAAAGTT
 AAAATTACTACTAGAAAAGTTATACCCAGCAGAAGAAAGAACAGGAAGAATTTTTGAGGCTTGAAAAGGAG
 ATAAGGGAAAAGGCAGAAAAGGCAGAAAAAAGGAAAAATGCTGCTGATGAAATTTCCAGATTTCAAGAAA
 GAGATTTACATAAACTTGAAGTAAAAATCTAGATAGACAGGCAAGGAAGATGAAAAGTCAAAAAACA
 AAGAAGACTGGCAAAAATAAAAGAAAAGGTTGAAAACAATGTTAGTAGAGATCCCTCTAGGCTTTACAAA
 CCCACCAAAGGTTGGGAAGAACGAACAAAAAGATAGGACCAACAGGCTCTGGGCCACTTCTACATATCC
 CACATAGGGCTATTCCAACCTGGAGACAAGGAATACAGAGAAGAGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG213511 representing NM_001040440
 Red=Cloning site Green=Tags(s)

MAALTTVVVAAAAATAVAGAVAGAGAATGTGVGATPAPQQSDGCFSTSGGIRPFHLQNWQKQVNVQTKKAEF
 VRTAEKFKNQVINMEKDKHSHFYNQKSDFRIEHSMLEELENKLIHSRKTERRAKIQQLAKIHNNVKKLQH
 QLKDVKPTPDFVEKLREMMEEIENAINTFKEEQRLIYEELIKEEKTNNELSAISRKIDTWALGNSETEK
 AFRAISSKVPVDKVTSTLPEEVLDFEFKFLQQTGGRQGAWDDYDHQNFVKVRNKHGKPTFMEEVLEHLP
 GKTDQEVQQHEKWKYQFLALEERKESIQIWKTKKQQKREEIFKLKEKADNTPVLFHMKQEDNQKQKEEQ
 RKKQKLAVEAWKKQKSIEMSMKASQLKEEEEKEKHKQKERQRFKLLLESYQQKEEQEFLRLEKE
 IREKAEAERKNAADEISRFQERDLHKLELKIILDRQAKEDEKSQKQRRLLAKLKEKVENNVSRDPSRLYK
 PTKGWEERTKKIGPTGSGPLLIHPHRAIPTWRQGIQRRV

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001040440

ORF Size: 1587 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_001040440.3](#)

RefSeq Size: 2312 bp

RefSeq ORF: 1590 bp

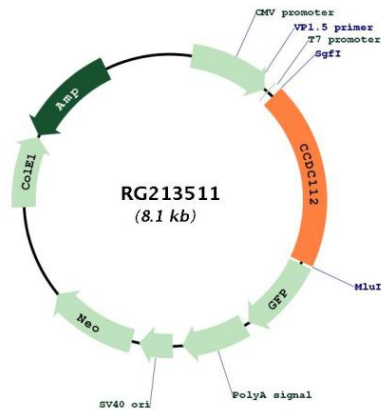
Locus ID: 153733

UniProt ID: [Q8NEF3](#)

Cytogenetics: 5q22.3

Protein Families: Transmembrane

Product images:



Circular map for RG213511