

Product datasheet for **RG206926**

CCDC112 (NM_152549) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC112 (NM_152549) 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:

>RG206926 representing NM_152549
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAAAAAGATAAACACAGTCATTTCTACAACAAAAAAGTGACTTCAGAATTGAGCATAGTATGCTAG
 AAGAAATTGAAAAATAAATTGATTCACAGCAGGAAAACAGAAAGAGCAAAAATCCAGCAACAATTGGCCAA
 AATACATAATAATGTAAGAAACTTCAGCATCAATTAAGATGTGAAGCCTACACCTGATTTTGTGAG
 AAGCTCAGAGAAATGATGGAAGAAATTGAAATGCAATTAACACTTTTAAAGAAGAGCAGAGGTTGATAT
 ATGAAGAGCTAATTAAGAAGAGAAGACAATAAATGAGTTGAGTGCCATATCAAGAAAAATTGACAC
 ATGGGCTTTGGTAATTCAGAAACAGAGAAAGCTTTAGAGCAATCTCAAGCAAAGTTCTGTAGACAAA
 GTAACACCAAGTACTCTCCAGAAGAGGTACTAGATTTTAAAAATTCCTTCAGCAAACAGGAGGGCGAC
 AAGGTGCCTGGGATGATTATGATCACCAGAACTTTGTAAGGTGAGAAACAAACATAAAGGGAAGCCAAC
 ATTTATGGAAGAAGTTCTAGAACACCTTCTGGAAAAACAAGATGAAGTTCAACAGCATGAAAAATGG
 TATCAAAAAGTTTCTGGCTCTAGAAGAAAGAAAAAAGAGTCAATTCAGATTTGGAAAACTAAAAAGCAGC
 AAAAAAGGGAGGAAATTTCAAGTTAAAGGAAAAGGCAGACAACACACCTGTGCTTTTTTCATAATAACA
 AGAGGATAATCAAAAGCAAAAAGAGGAACAAGAAAGAAACAGAAATTGGCAGTTGAAGCTTGAAGAAA
 CAGAAAAGTATAGAAATGTCATGAAATGTGCTTCCCAGTTAAAAGAAGAAGAAGAGAAAGAAAAAAC
 ATCAGAAAAGAACGCCAGCGCCAGTTTAAAGTTAAAATTACTACTAGAAAGTTATACCCAGCAGAAGAAAG
 ACAGGAAGAATTTTGGGCTTGAAGGAGATAAGGGAAAATGCAGAAAAGGCAGAAAAAGGAAAAAT
 GCTGCTGATGGAATTTCCAGATTTCAAGAAAGAGATTTACATAAACTTGAAGTAAAAATTTAGATAGAC
 AGGCAAAGGAAGATGAAAAGTCACAAAAACAAGAAGACTGGCAAAATTAAGAAAAAGGTTGAAAACAA
 TGTTAGTAGAGATCCCTTAGGCTTTACAACCCACCAAAGTTGGGAAGAACGAACCAAAAAAGATAGGA
 CCAACAGGCTCTGGGCCACTTACATATCCACATAGGGCTATTCCAACCTGGAGACAAGGAATACAGA
 GAAGAGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG206926 representing NM_152549
 Red=Cloning site Green=Tags(s)

MEKDKHSHFYNQKSDFRIEHSMLEELNKLIIHSRKTERRAKIQQLAKIHNNVKKLQHLKDVKPTPDFVE
 KLREMMEEIENAINTFKEEQRLIYEELIKEEKTNNELSAISRKIDTWALGNSETEKAFRAISSKVPVVK
 VTPSTLPEEVLD FEKFLQQTGGRQGAWDDYDHQNFVKVRNKHKGKPTFMEEVLEHLPGKTQDEVQHEKW
 YQKFLALEERKKEIQIWKTKKQKREEIFKLKEKADNTPVLFHNKQEDNQKQKEEQRKKQKLAVEAWKK
 QKSIEMSMKCASQLKEEEEKHKERQRFKLLLESYTTQKKEQEEFLRLEKEIRENAEKAERKN
 AADGISRFQERDLHKLELKILDRQAKEDKESQKQRRLLAKLKEVENNVSRDPSRLYKPTKGWEERTKKIG
 PTGSGPLLHIPHRAIPTWRQGIQRRV

TRTRPLE - GFP Tag - V

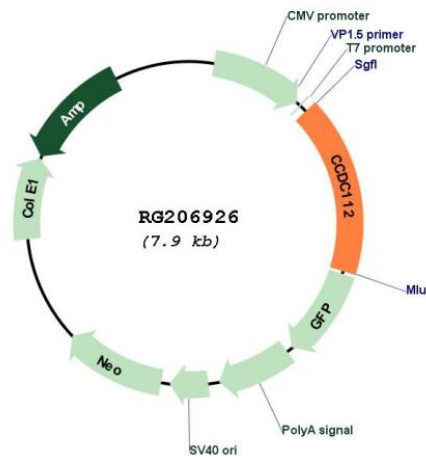
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_152549

ORF Size: 1338 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:	<ol style="list-style-type: none">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:	<u>NM_152549.1</u> , <u>NP_689762.1</u>
RefSeq Size:	2101 bp
RefSeq ORF:	1341 bp
Locus ID:	153733
UniProt ID:	<u>Q8NEF3</u>
Cytogenetics:	5q22.3
Protein Families:	Transmembrane