

Product datasheet for **MG203540**

Ccdc172 (NM_029372) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc172 (NM_029372) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ccdc172
Synonyms:	1700011F14Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203540 representing NM_029372 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTCTGGAGTCCTTGTTTCAGCACATCATCTTCAGTGAGCATCAGGCGGAGGAGAGCCGAGAGTGA
TGCGGGAAGTAAGGTCGGAGATTACCAGATGTCGTGGGAAATTAAGAAAGCAACAGAGGACCTGAGTGA
AGAGAAAATCAAGTTGGAATCCAAGGTTACGAGTTGTCTGAGAAATCTTCCTCTTAGAGCTTCTGAAA
ACCCATGAAAACGCATTAGAGAGACAGCTCAGTGAGATTATCAGCGAGCGGGACACACTGCTCCAAGCCT
GCGAGGCTATAAAGAATAAAACCACAGAGGAAGAGGAAAGATTTATTAAGGAAATTACAGACTTCAATGA
CAATTATGAAATAACCAAGAAAAGAGATACTTTGATGAAAGAAAATATCGAGATGGAAATGGCTGACTTA
GACAGCCAGGCAGATGTTTTGAGAAGGGAATGAAGTCGGTGGAACGTAACCGTGACAGTTATGGGAAC
TCCAAAACTAAAAATGAACTGTTACAAGAATTATTTACTCTCCAGAAAAAGCTTAAAGTTCTTAAAGA
TGAAGAGACTGAAGCCATTTGTATCACCAACAGCTAGAGGCAGAAAAACCAAGTAAGAGATAAGCCT
CAACATGATCCGAGTGCGTGCGGCTTAAAGGGAGTTAGATCTGTATAAAGCAGAAGACATGGAAGTG
TCTACAGAGCTCTCAAGCAGAAGTAGACCTCCTGGAGTTGGCACTGGCACCAAGGATCCCCAGGACAG
TAACTCCTTGAGTCATGAGCCACCCACACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203540 representing NM_029372
 Red=Cloning site Green=Tags(s)

MSLES LFQHIIFSEHQAEESRRVMREVRSEITRCRGKIKKATEDLSEEKIKLESKVQQLSEKSFLLLELLK
 THENALERQLSEIISERDTLLQACEAIKNKTTEEEERFIKEITDFNDNYEITKKRDTLMKENIEMEMADL
 DSQADVLRRMKSVERNRGQLWELQKLKNELLQELFTLQKKLVKDEETEAICITKQLEAEKTKVRDKP
 QHDEPCVRLKRELDLYKAEDMESVYRALQAEVDLLELALAPKDPQDSNLSHEPPHT

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_029372

ORF Size: 801 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_029372.3](#)

RefSeq Size: 1086 bp

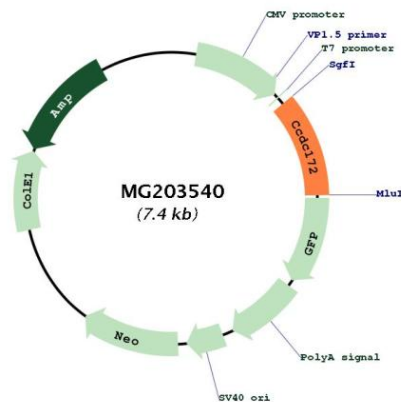
RefSeq ORF: 804 bp

Locus ID: 75645

UniProt ID: [Q810N9](#)

Cytogenetics: 19 D2

Product images:



Circular map for MG203540