

Product datasheet for **MG218510**

Ccdc157 (NM_001164620) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc157 (NM_001164620) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ccdc157
Synonyms:	4930562D19Rik; mKIAA1656
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG218510 representing NM_001164620
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCACACCTGCTAGGCAGCCAGGCTTGTATGGACAGCCTGCGCAAGGACCTCACCGACCTGCAGGGCA
CCATTGTGGATGTGTTCTCTCGTGTGGCCTGTGCGCTTCCCCTCCTGGAAGTTCCCTGATCGTGTGGC
CTGCGACCTTGACATGGTGGCCCTTCTGGAGCACTATGACCATGTGCCAGGTGACCTGAGTTCACACAG
TTGTCCCATGCCGTGCTGCTGGAGCTGGTCACTGACAGGCTCCTGCTGCTGCTTCCAGAGTTGTGCCAGCT
ACTTGGAAAACCTCAGTGTGGAGCAGATGATGCCTCCTGCCCGGGCTGCAGGGCCATGCATGTCCGTGGG
ACTTACAGTACGGCGCTTCTGGAGCAACCTGCTTAGGCTGGGCCTGCTCTACCAGCAGGCAGTCCCCAG
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GCAGAGCATCCCTGTCAGAGTCTCCCTGCGGAGCCAGGTGGAACCTCTGAGAAAATAAGAGCGTCTAC
TCCAGACCGTCGAGACAGCCTTGGTGCCTGTGATGCTTGACACAGTGTCCAGGGCAGCTTGTGGGAGG
TGGCAAGGTTGTTATCAGCCTGTGTACAGACAAAACCTGCCTTCATCCTTGGGCCAGTTCAGAAAGTT
GGTGAAGGACAGCCTGGGGCTTAAACCACTGCCAGCTGCCACCGTGGGCCACTGGGCAGCAGAGCAGAGC
AAAGACCTGACTCGTCTCAATAAACATGTGGGGCCCTCACCCAGCTTGTGGGCCCTCAGGGCTCAGC
TGGAAAGACGCTGAGGGGCAGAAGGATGGGCTGAGGAAGCAGGTGAGCAAGCTGGAGCAGGCCCTGCAGCA
GGAGCAAGGGCAGCGGCAGCGGCAGACAGAGGAGGCTGAGCGGACCCTGGCCAAGTGCAGCATGACAGG
CATCAGCTGCTCAGAAAACATGTGACCTAAAGACAAAGGTGGCCGTTTTGGAGGGAGACCTGAAGCAGC
AGCAGAAGTCCATACAGGCCATGGAGGCCAAGGCTCAGCAGCTGGAGGAGGAAGGGGAGCGTAGGGCAGC
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GCTGAAGGAACGGGAGCGGCTGCTGGTGGCCTTCCCAGACCTGCACCAGCCAGAGGAGGCCAGATCCAA
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AGGAGGAGAACAAGCGGCTCCAGTCGATGCTGACCAAAATCCGAGAGGTGGCCCAGCAGGGAGGCCCTCAA
GATGGTCCCAGGGCCAGCTCTGGTCCCCTCCCTACAAGGGCATCCAGGGAGCAACCCCTCCAGCCAG
GCCAGAGTGCATTCTCAGGGTTGACAGGCAGACGGCAGTCTCCTGGCAGCAGGACAAGCAGCACAGGCA
GGACCCATCCTGGCGGGCTCCGTACATCCCCGTCTCGGCAGCCCGGGCGGCTTGCCAGCAAGTTCTTTT
GGGGATGGAAGTCATTCAGCATCTGCACCCAGAATCCCATAGGGCCTTGGCCAGGCTGAGGAGAAAAG
CTTTCACCGAACCGTCAGGCTGGTCTACATACCAGCCCCAGGAGCGGCCACG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG218510 representing NM_001164620
 Red=Cloning site Green=Tags(s)

MAHLLGSQACMDSL RKDLTDLQGTIVDFSRAGPVRFP SWKFPDRVACLDLDMVALLEHYDHPGDPEFTQ
 LSHAVLLELVIDRL LLLLQSCASYLENLSVEQMMPPARAAGPCMSVGLTVRRFWSNLLRLGLLYQQAVPQ
 KRANQGEISITKPTAKGEPARSPECMTAKFIKPPSPVPLPLICQGLQSIPVRSLSRSPGGTSEKTKSVY
 SQTIVETALVPCDACTSVQGSLEWVGKVVISL CQSQNL PSSLGQFQKL VKDSLGLKPLPAATVGHWAEEQS
 KDLTRLNKHV GALTQLVGPLRAQLEDAEGQK DGLRKQVSKLEQALQQEQQRQRQTEEAERTLAKCEHDR
 HQLLTETCDLKT KVAVLEGLDKQQKSIQAMEAKAQQL EEEGERAAAERQVQQL EEQVQLLAGRLDGAS
 QQIRWASTELDK EKARVDSMVRHQESLQAKQRTLL QQLDCLDQEREELRGS LDEAEAQRSELEEQLQSLQ
 SDREQEQCLQAQQELLQSLQQEKQDLEQVTTDLQLTISELRQQLEELKERERLLVAFPDHLHQPEEAQIQ
 SSSNVTQDMERQVQANAIRIQVLQEENKRLQSMLTKIREVAQQGGLKMVPQGQLWSPPYKGIQGATPPAQ
 AQSASFSLTGRRQSPGSRSTSSTGRTHPGGLRTSPSRQPGGLPSKFSLGDGSHSASCTQNP IRALARLRK
 LSPNRQAGSTYQPQERPT

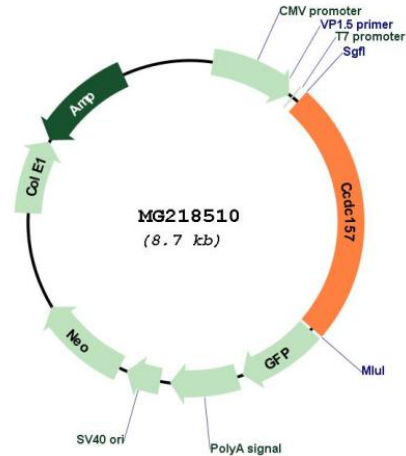
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_001164620

ORF Size: 2154 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_001164620.1](#), [NP_001158092.1](#)

RefSeq Size: 5017 bp

RefSeq ORF: 2157 bp

Locus ID: 216516
UniProt ID: [Q5SPX1](#)
Cytogenetics: 11 A1