

Product datasheet for **MG203455**

Comtd1 (NM_026965) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Comtd1 (NM_026965) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Comtd1
Synonyms:	1810030M08Rik; MT773
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203455 representing NM_026965 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTCAGCCCGTCCCTCGGCTATCTATCCAGCCGCACTGGCCCTGGGCTCGGCCGCGCTGGGCGCCG
 CCTTCGCTACTGGTCTCTTGCTGGGGAACGGTGGCCTCCATGGGGGTCCAGGCGGCAAGAGCGCCTGCT
 GCCACCTGAGGACAATCCCCTGTGGCAGTATCTGCTGAGCCGCTCCATGAGAGAGCACCCGGCGCTGCGG
 AGCCTGCGACTGCTGACCCTGGAGCAGCCGAGGGGGATTCCATGATGACCTGTGAACAGGCCAGCTTC
 TGGCCAACTGGCGCGGCTCATTAAGGCCAAGAAAGCTCTGGATCTGGGTACTTTCACGGGCTACTCGGC
 CCTGGCCCTAGCCTTGGCGCTTCCGGAGGCTGGCCGCGTGGTGACCTGCGAGGTTGACGCAGAGCCCCCG
 AAGCTGGGACGGCCCATGTGGAAGCAGGCAGAAGTGAGCAGAAGATCGACCTTCGGCTGCAACCCGCC
 TGCAGACATTGGATGAGCTCCTAGCGGCGGGCGAGGCCGGAACCTTCGACATAGCCGTGGTGGACGCGGA
 CAAAGAGAAGTGTACCGCTACTACGAGCGCTGTCTGCAGCTCTACGTCCCGGAGGCGTGCTCGCTGTA
 CTCAGAGTCCTGTGGCGCGGAGAAGTGTGCAGCCTCAGCCAGGAACAAGACTGTTGAATGTGTGCGGA
 ACCTGAACGAACGCATCCTGAGGGACGCCAGGGTCTACATCAGCCTCCTGCCCTGGATGATGGCCTCTC
 CTGGCCCTTAAGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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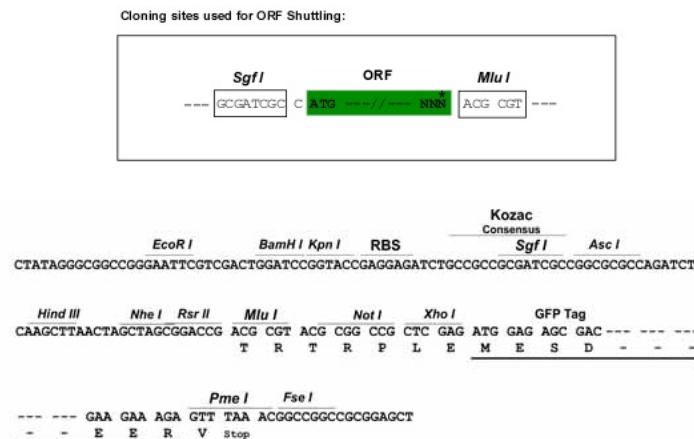
Protein Sequence: >MG203455 representing NM_026965
 Red=Cloning site Green=Tags(s)

MAQVPVRLSIPAALALGSAALGAATGGLLLGKRWPWGSRRQERLLPPEDNPLWQYLLSRSMREHPALR
 SLRLLTLEQPQGDMMTCEQAQLLANLARLIKAKKALDLGFTTGYSALALALALPEAGRVVTCEVDAEPP
 KLGRPMWKQAEVEQKIDRLQPALQTLDELLAAGEAGTFDIAVVDADKENTAYYERCLQLLRPGGVLA
 LRVLWRGEVLQPQPRNKTECVRNLERILRDARVYISLLPLDDGLSLAFKI

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026965

ORF Size: 786 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_026965.2](#), [NP_081241.1](#)

RefSeq Size: 2241 bp

RefSeq ORF: 789 bp

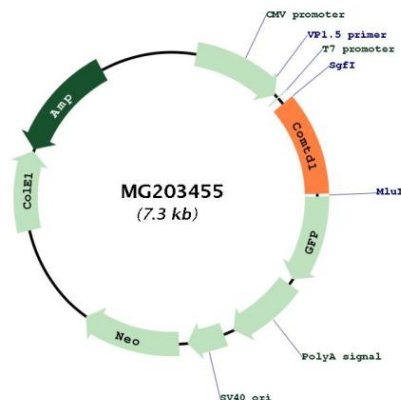
Locus ID: 69156

UniProt ID: [Q8BIG7](#)

Cytogenetics: 14 A3

Gene Summary: Putative O-methyltransferase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG203455