

Product datasheet for **MR203455**

Comtd1 (NM_026965) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Comtd1 (NM_026965) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Comtd1
Synonyms:	1810030M08Rik; MT773
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203455 representing NM_026965 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCTCAGCCCGTCCCTCGGCTATCTATCCAGCCGCACTGGCCCTGGGCTCGGCCGCGCTGGGCGCCG
 CCTTCGCTACTGGTCTCTTGCTGGGGAACGGTGGCCTCCATGGGGTCCAGGCGCAAGAGCGCCTGCT
 GCCACCTGAGGACAATCCCCTGTGGCAGTATCTGCTGAGCCGCTCCATGAGAGAGCACCCGGCGCTGCGG
 AGCCTGCGACTGCTGACCCTGGAGCAGCCGAGGGGATTCCATGATGACCTGTGAACAGGCCAGCTTC
 TGGCCAACTGGCGCGGCTCATTAAGGCCAAGAAAGCTCTGGATCTGGGTACTTTCACGGGCTACTCGGC
 CCTGGCCCTAGCCTTGCGCTTCCGGAGGCTGGCCGCGTGGTGACCTGCGAGGTTGACGCAGAGCCCCCG
 AAGCTGGGACGGCCCATGTGGAAGCAGGCAGAAGTGGAGCAGAAGATCGACCTTCGGCTGCAGCCCGCCC
 TGCAGACATTGGATGAGCTCCTAGCGGCGGGCGAGGCCGGAACCTTCGACATAGCCGTGGTGGACGCGGA
 CAAAGAGAACTGTACCGCTACTACGAGCGCTGTCTGCAGCTCTACGTCCCGGAGGCGTGCTCGCTGTA
 CTCAGAGTCCTGTGGCGCGGAGAAGTGTGCAGCCTCAGCCAGGAACAAGACTGTTGAATGTGTGCGGA
 ACCTGAACGAACGCATCCTGAGGGACGCCAGGGTCTACATCAGCCTCTGCCCTGGATGATGGCCTCTC
 CTTGGCCTTTAAGATC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR203455 representing NM_026965

Red=Cloning site Green=Tags(s)

MAQVPVRLSIPAALALGSAALGAAFATGLLLGKRWPPWGSRRQERLLPPEDNPLWQYLLSRSMREHPALR
SLRLLTLEQPQGDSMMTCEQAQLLANLARLIKAKKALDLGFTGYALALALALPEAGRVTCEVDAEPP
KLGRPMWKQAEVEQKIDRLRLPALQTLDELLAAGEAGTFDIAVVDADKENCNTAYYERCLQLLRPGGVLA
LRLVLRGVEVLOPPRNKTVCEVRNLNERILRDARVYISLLPLDDGLSLAFKI

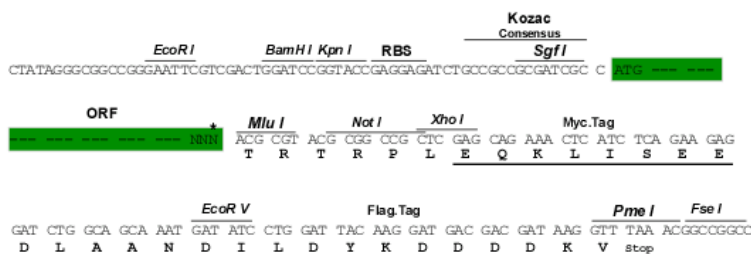
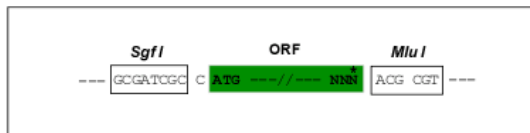
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9024_c07.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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

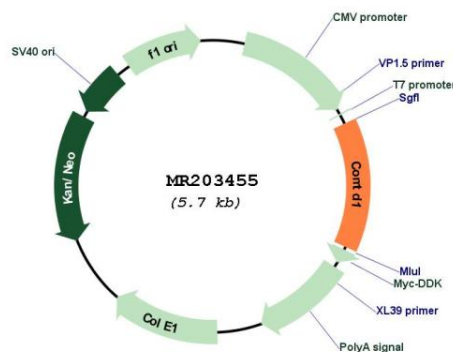
UniProt ID: [Q8BIG7](#)

Cytogenetics: 14 A3

MW: 29.4 kDa

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

Product images:



Circular map for MR203455