

Product datasheet for **RG208801**

CMC1 (NM_182523) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CMC1 (NM_182523) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CMC1
Synonyms: C3orf68
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG208801 representing NM_182523
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCTCGACCCCGCAGACCAGCATCTCAGACATGTCGAAAAAGATGTTTTGATCCCTAAAATAATGA
GAGAAAAGGCCAAAGAGAGGTGTTCTGAACAAGTTCAAGATTTTACCAAATGTTGCAAGAACTCTGGAGT
TCTTATGGTAGTAAAATGCCGAAAGAAAATTCTGCATTGAAAGAATGTCTAACTGCTTACTATAATGAT
CCAGCCTTTTATGAAGAATGCAAATGGAATACCTGAAGGAAAGGAAGAATTCAGAAAACTGGAATTC
CTACAAAGAAAAGGCTACAGAAGCTTCCAACAAGCATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG208801 representing NM_182523
Red=Cloning site Green=Tags(s)
MALDPADQHLRHVEKDVLIIPKIMREKAKERCSEQVQDFTKCKNSGVLMVVKCRKENSALKECLTAYYND
PAFYEECKMEYLKEREEFRKTGIPTKKRLQKLPTSM

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_182523

ORF Size: 318 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.

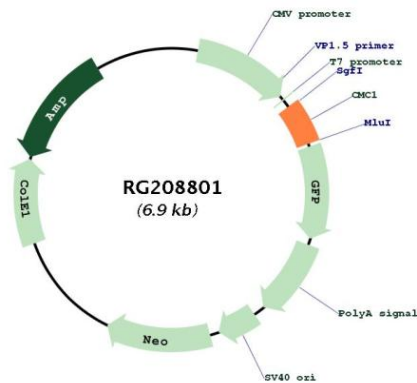
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_182523.2](#)

RefSeq Size: 640 bp
 RefSeq ORF: 321 bp
 Locus ID: 152100
 UniProt ID: [Q7Z7K0](#)
 Cytogenetics: 3p24.1

Gene Summary: Component of the MITRAC (mitochondrial translation regulation assembly intermediate of cytochrome c oxidase complex), that regulates cytochrome c oxidase assembly. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG208801