

Product datasheet for **RG211054**

C1orf31 (COA6) (NM_001012985) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: C1orf31 (COA6) (NM_001012985) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: C1orf31
Synonyms: C1orf31; CEMCOX4; MC4DN13
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG211054 representing NM_001012985
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGCCCCGGGAGGTCCCTTACTGTCCCCGAGCCGCGGGTTCCTCTTGTGCAAAACGGGGTGGCACTCCA
ATCGCTGCTTGGTGATTGTGGCCCCACACACCTGTTTCTACAGCGCTTAGCTTCATCGCAGTAGGAAT
GGCAGCCCCATCTATGAAGGAAAGACAGGTCTGCTGGGGGCCCCGGGATGAGTACTGGAAGTGTGTTAGAT
GAGAAGTACTAGAGGATGCTTCTCAATGCAAGAAGTTAAGAAGCTCTTTCGAATCAAGTTGCCCAACAGT
GGATAAAATATTTGATAAAAGAAGAGACTACTTAAAATTCAAAGAAAAATTTGAAGCAGGACAATTTGA
GCCTTCAGAAACAACCTGCAAAATCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG211054 representing NM_001012985
Red=Cloning site Green=Tags(s)
MGPGGPLLSPSRGFL LCKTGWHSNRL LGDCGPHTPVSTALSFI AVGMAAPSMKERQVCWGARDEYWKCLD
ENLEDASQCKKLRSSFESSCPQQWIKYFDKRRDY LKFKFKFEAGQFEPSETTAKS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001012985

ORF Size: 375 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_001012985.2](#), [NP_001013003.1](#)

RefSeq Size: 641 bp

RefSeq ORF: 378 bp

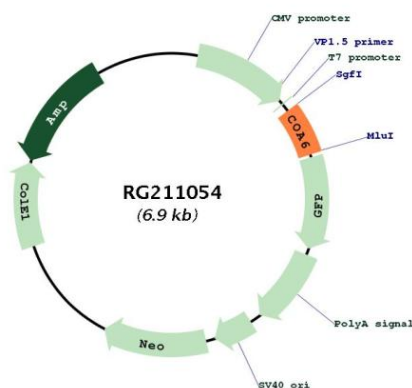
Locus ID: 388753

UniProt ID: [Q5JTJ3](#)

Cytogenetics: 1q42.2

Gene Summary: This gene encodes a member of the cytochrome c oxidase subunit 6B family. The encoded protein associates with cytochrome c oxidase may act has an cytochrome c oxidase mitochondrial respiratory complex VI assembly factor. Mutations in this gene may be associated with fatal infantile cardiomyopathy. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2014]

Product images:



Circular map for RG211054