

## Product datasheet for **RG229660**

### DMAC2 (NM\_001167868) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** DMAC2 (NM\_001167868) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** DMAC2  
**Synonyms:** ATP5SL  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG229660 representing NM\_001167868  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTGGGATTTGGTCTTAGAAGACCGAAGGATGAATTCCTCGCGCTGGTCGCCCCCATGTGGAATGGGC  
 GTATCAGGGGCATCCATCGCTGGTGCGGCAGTGCCCCAGAGGGCAATCAGAAGAAGAAAAGGACAAT  
 ACTCCAGTTCCTGACCACTATTCTACGATGTGGAGGCTCTGAGGGTACTTGTCCAAAGGGAGATG  
 TACAAGGTGCATGAGAAAATCGATCTTACACCTGGCTGGAGAAGCAACATGGTCCATACGGCCAGGTG  
 CCTTTTTCATCCTGAAGCAGGGAGGCGCAGTCAAGTTTCGAGACAAGGAGTGGATCAGGCCAGATAAGTA  
 TGGCCATTTCTCTCAGGAGTTCTGGAATTTCTGTGAAGTGCCTGTGGAAGCTGTGGATGCCGGTACTGT  
 GACATCAACTACGAGGGCCTGGATAACCTCCGAACCTCCGAGGCTGGACATCTCGGACCTCCCTGCCGT  
 GTCCAACCCTGGCTCACTCAGATATTGGTGGAGGAGATGCTGCCCAATTGCGAGGTTGTGGGAGTCGAC  
 TGGGCTGAGGGCC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG229660 representing NM\_001167868  
 Red=Cloning site Green=Tags(s)

MWDLVLEDRRMNSLRLVAPMWNIRIRGIHRLGAAVAPEGNQKKKRTILQFLTNYFYDVEALRDYLLQREM  
 YKVHEKNRSYTWLEKQHPYGAGAFFILKQGGAVKFRDKEWIRPKYGHFSQEFWNFCEVPVEAVDAGDC  
 DINYEGLDNLRTSAGWTSRTSLPCPTLASLRYWRRCCPIARLWESTGLRA

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**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\\_001167868.2](#)

**RefSeq Size:** 1619 bp

**RefSeq ORF:** 576 bp

**Locus ID:** 55101

**UniProt ID:** [Q9NW81](#)

**Cytogenetics:** 19q13.2

**Gene Summary:** Required for the assembly of the mitochondrial NADH:ubiquinone oxidoreductase complex (complex I). Involved in the assembly of the distal region of complex I.[UniProtKB/Swiss-Prot Function]