

## Product datasheet for **RN205983**

### Dmac2 (NM\_001009705) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dmac2 (NM\_001009705) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Dmac2  
**Synonyms:** Atp5sl; MGC109149  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN205983 representing NM\_001009705  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGGCGCCAGAGCGTTTCTGCACCTGGGTGCCCGAGAATGGCATGGGAGAGCCAGGGGCACCCACA  
 GCATGAGTGGGTTGGCGACCCAGACAGCAATCGGGAGAAGAAAAGAACACTGCTGCAGTTCCTCTCAGA  
 CCACTTCCATGACGTCCAGACTCTGAGAGAGTACTTGCTCCAGAAACAGATCTCAAAGTCAGCATGGAG  
 AATCGATCCTACAGGAAGATCCAGGAGAGATACGGCCCATACATCACAGGTGCTCAGTTCATCCTGAAGC  
 AGGGAGGCGCAGTGAAGTTTCAGGGCAGGGATTGGATCCGGCCAAATGACCGTGGCCATTCTATTGCCGA  
 GCTCCAGAAGGTGCCTGTGGAGGCTGTGGATGCCAGTGGCTGTGCCATCAACTACCAGGGCCTCAGTAAC  
 CTCTTGCCCTGAAGGAGCTGCAGTTCCTGTCCCTTCAGCGCTGCCCAACTGGATGACTGGTGCCTCA  
 GCCGCCTTACCTACTGGCTGGTTCAGTGCAGGAGCTCTCTTGCTGGGTGGGTGCCCGAATCTCAGAACG  
 AGGCCTTGCTGTCTCCACCACCTCCAGAACCTCCGAGGCTGGACATCTCAGACCTCCCTGCCGTGTCC  
 CACCCAGGTCTTACTCAGATCCTAGTGAAGAGATGTTGCCCATGTGAGGTCTTGGAGTTGATTGGG  
 CCAAGAGTCTGAAGCTGGGGCCAGACGATCAACCTCCCGACACATCTAGTCTCTCTCTCC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001009705  
**Insert Size:** 765 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001009705.1</a></u> , <u><a href="#">NP_001009705.1</a></u>
<b>RefSeq Size:</b>	1873 bp
<b>RefSeq ORF:</b>	765 bp
<b>Locus ID:</b>	361520
<b>UniProt ID:</b>	<u><a href="#">Q5I0I4</a></u>
<b>Cytogenetics:</b>	1q21
<b>Gene Summary:</b>	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]