

Product datasheet for **MC210339**

Dmac2 (NM_025504) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dmac2 (NM_025504) Mouse Untagged Clone
Tag: Tag Free
Symbol: Dmac2
Synonyms: 2310004L02Rik; Atp5sl; C030044E10Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210339 representing NM_025504
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCACACTATGCACGTCTGCACCTGGGCGCCGAGAATGGAATGGCAGAGCCAGGCGCATCCATGGCA
 TGAGTGAGTTGGTGACCCCGACAGCAGTCGGGAGAAGAAAAGAACGCTGTTGCAGTTCTCTCAGATCA
 TTTCCAGGACATCCAGACTCTGAGAGAGTACTTGCTCCAGAAACAGATCTCAAAAGTCAACAGGGAGAAT
 CGATCCTTCACTAACATCCAGGAGAAATATGGCCCGTATGTTGCAGGTGCTGTCTTCATCCTGAAGCAGG
 GAGGCGCAGTGAAGTTTCAGGACAAGGAGGAATGGATCCGGCCAAATAACCGTAGCCATTTCTCGCCGA
 GATTGAGAAGTTCAGAAATGTGCCTGTGGAGGCTGTGGATGCCAGTGGCTGTGCCATCACTACCAGGGC
 CTGAGTAACTCTTGCCCTGAAGGAGCTGCGGTCCCTGTCCCTGCAGCGCTGCCCAACCTGGACGACT
 GGTGCCTCAGCCGCTCTACCTATTGGCTGGCTCACTGCAGGAGCTCTCGCTGGCTGGCTGCCCCAGAAT
 CTCAGAACGGGGCCTTGCTGCCTCCACCACCTCCAGAACCTCCGAGGCTGGACATCTCAGACCTCCCT
 GCCGTGTCCACCCAGGTCTCACTCAGATCCTGGTGAAGAGATGTTGCCCACTGTGAGGTCTTGGAG
 CTGACTGGGCCAGAATCTCAAGCTGGAACCAGACAAGCAGCCTCCAGACACATCTACCCCTCTCTTC
 CTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_025504
Insert Size: 774 bp



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OTI Disclaimer:	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).
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:	<ol style="list-style-type: none">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_025504.4 , NP_079780.2
RefSeq Size:	2389 bp
RefSeq ORF:	774 bp
Locus ID:	66349
Cytogenetics:	7 A3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) has an alternate first exon compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>