

# Product datasheet for RC229605

### DMAC2 (NM\_001167870) Human Tagged ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	DMAC2 (NM_001167870) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DMAC2
Synonyms:	ATP5SL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>&gt;RC229605 representing NM_001167870 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGCGGCTCCCTGGGCGTCCCTGCGCCTGGTCGCCCCATGTGGAATGGGCGTATCAGGGGCATCCATC
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG <b>GTTTAA</b>
Protein Sequence:	<pre>&gt;RC229605 representing NM_001167870 Red=Cloning site Green=Tags(s)</pre>
	MAAPWASLRLVAPMWNGRIRGIHRLGAAVAPEGNQKKKRTILQFLTNYFYDVEALRDYLLQREMYKVHEK NRFRDKEWIRPDKYGHFSQEFWNFCEVPVEAVDAGDCDINYEGLDNLRTSAGWTSRTSLPCPTLASLRYW WRRCCPIARLWESTGLRA
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/ja1461_c07.zip



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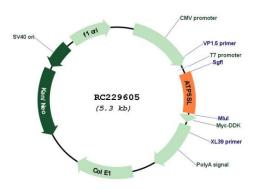
# **DMAC2 (NM\_001167870) Human Tagged ORF Clone – RC229605**

Choining Scheme:       CTATAGGEOGEOCOCCE         ORF       CTATAGGEOCOCCE         OTI Disclaimer:       The molecular reference on naturally occ clone is subsivariants is re         OTI Annotation:       This clone was varies depen         Components:       The ORF clone containing 10         Reconstitution Method:       1. Centrifuge         2. Carefully o       3. Close the t         4. Briefly vortat the bottom s       5. Store the s         Shipping whe       Shipping whe         RefSeq:       NM 0011678	Image: A start of the order of the one way we have the order of t
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ACCN: NM_0011678 ORF Size: 474 bp OTI Disclaimer: The molecular reference on naturally occ clone is subsi- variants is re OTI Annotation: This clone was varies depen Components: The ORF clone containing 10 Reconstitution Method: 1. Centrifuge 2. Carefully of 3. Close the t 4. Briefly vort at the botton 5. Store the s shipping whe	01167870 p holecular sequence of this clone aligns with the gene accession number as a point of ence only. However, individual transcript sequences of the same gene can differ through ally occurring variations (e.g. polymorphisms), each with its own valid existence. This is substantially in agreement with the reference, but a complete review of all prevailing its is recommended prior to use. <u>More info</u> lone was engineered to express the complete ORF with an expression tag. Expression a depending on the nature of the gene. RF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube ining 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water). httrifuge at 5,000xg for 5min. efully open the tube and add 100ul of sterile water to dissolve the DNA. se the tube and incubate for 10 minutes at room temperature. efly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid bottom. re the suspended plasmid at -20°C. The DNA is stable for at least one year from date of ing when stored at -20°C.
ORF Size:474 bpOTI Disclaimer:The molecular reference on naturally occ clone is subsi- variants is re-OTI Annotation:This clone was varies depenOTI Annotation:This clone was varies depenComponents:The ORF clone containing 10Reconstitution Method:1. Centrifuge 2. Carefully of 3. Close the t 4. Briefly vort at the botton 5. Store the s shipping wheRefSeq:NM 0011678	p nolecular sequence of this clone aligns with the gene accession number as a point of ence only. However, individual transcript sequences of the same gene can differ through ally occurring variations (e.g. polymorphisms), each with its own valid existence. This is substantially in agreement with the reference, but a complete review of all prevailing its is recommended prior to use. <u>More info</u> lone was engineered to express the complete ORF with an expression tag. Expression a depending on the nature of the gene. RF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube ining 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water). httrifuge at 5,000xg for 5min. efully open the tube and add 100ul of sterile water to dissolve the DNA. se the tube and incubate for 10 minutes at room temperature. efly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid bottom. re the suspended plasmid at -20°C. The DNA is stable for at least one year from date of ing when stored at -20°C. <u>01167870.2</u> p
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	p
efSeq ORF: 477 bp	
ocus ID: 55101	/81
IniProt ID: <u>Q9NW81</u>	

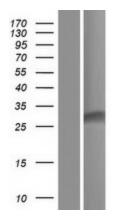
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	DMAC2 (NM_001167870) Human Tagged ORF Clone – RC229605
Cytogenetics:	19q13.2
MW:	19.1 kDa
Gene Summary:	Required for the assembly of the mitochondrial NADH:ubiquinone oxidoreductase complex (complex I). Involved in the assembly of the distal region of complex I.[UniProtKB/Swiss-Prot Function]

## **Product images:**



Circular map for RC229605



Western blot validation of overexpression lysate (Cat# [LY432605]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC229605 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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