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Product datasheet for RC216385

DMAC2L (NM_015684) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DMAC2L (NM_015684) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DMAC2L
Synonyms:	ATP5S; ATPW; FB; HSU79253
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC216385 representing NM_015684 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTGCTGTGCGGTCTCTGAGCAGCGACTCACCTGTGCAGATCAAATGATGCCGTTTGGAAAAATTTCCC AGCAGTTGTGTGGCGTAAAGAAACTCCCATGGTCATGTGACTCCAGATACTTCTGGGGCTGGTTGAATGC AGTGTTTAATAAGGTGGATTATGATCGCATCAGGGATGTTGGCCCTGACAGGGCGGCATCCGAGTGGTTG CTGCGCTGTGGGGCCATGGTGCGCTACCATGGCCAGGAGAGGTGGCAGAAGGACTACAACCACCTTCCAA CAGGCCCTCTGGACAAATACAAGATTCAGGCGATCGACGCCACCGACTCTTGTATCATGAGCATTGGATT TGATCACATGGGTAACTACCCTATCGTTTTGCTAATAGAAAATGCAGATGATTTGCAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC216385 representing NM_015684 Red=Cloning site Green=Tags(s) MCCAVSEQRLTCADQMMPFGKISQQLCGVKKLPWSCDSRYFWGWLNAVFNKVDYDRIRDVGPDRAASEWL LRCGAMVRYHGQERWQKDYNHLPTGPLDKYKIQAIDATDSCIMSIGFDHMGNYPIVLLIENADDLQ TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	SgfI-MluI

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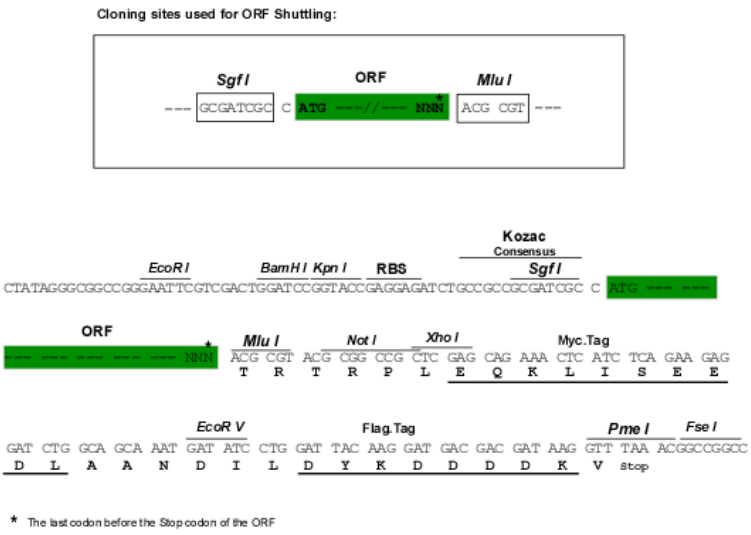
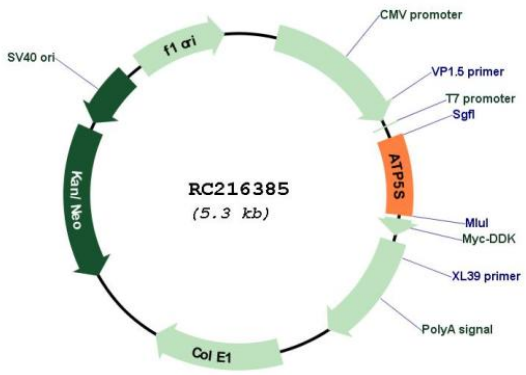
Cloning Scheme:



Plasmid Map:



ACCN: NM_015684

ORF Size: 408 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_015684.3, NP_056499.2
RefSeq Size:	1359 bp
RefSeq ORF:	366 bp
Locus ID:	27109
UniProt ID:	Q99766
Cytogenetics:	14q21.3
MW:	15.7 kDa
Gene Summary:	This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, comprising the proton channel. This gene encodes the subunit s, also known as factor B, of the proton channel. This subunit is necessary for the energy transduction activity of the ATP synthase complexes. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]