

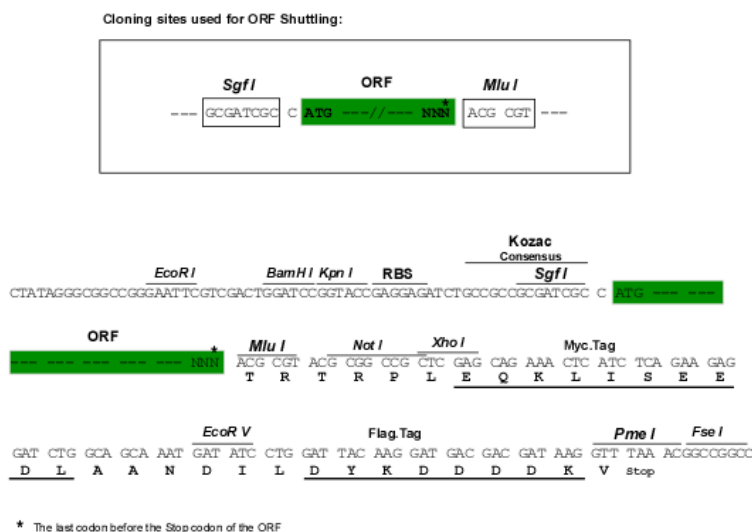
Product datasheet for RC230759

DNAJC19 (NM_001190233) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAJC19 (NM_001190233) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DNAJC19
Synonyms:	PAM18; TIM14; TIMM14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC230759 representing NM_001190233 Red=Cloning site Blue=ORF Green=Tags(s) TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGCCAGTACAGTGGTAGCAGTTGGACTGACCATTGCTGCTGCAGGATTTGCAGGCCGTTACGTTTTGC AAGCCATGAAGCATATGGAGCCTCAAGTAAACAAGTTTTTCAAAGCCTACCAAATCTGCCTTCAGTGG TGGCTATTATAGAGGTGGGTTTGAACCCAAAATGACAAAACGGGAAGCAGCATTAACTAGGTGTAAGC CCTACTGCCAATAAAGGGAAAATAAGAGATGCTCATCGACGAATTATGCTTTTAAATCATCCTGACAAAG GAGGATCTCCTTATATAGCAGCCAAAATCAATGAAGCTAAAGATTACTAGAAGTCAAGCTAAAAAA ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC230759 representing NM_001190233 Red=Cloning site Green=Tags(s) MASTVVAVGLTIAAAGFAGRYVLQAMKHMEPVKQVVFQSLPKSAFSGGYRGGFEPKMTKREAALILGVS PTANKGKIRDAHRRIMLLNHPDKGGSPYIAAKINEAKDLLEGQAKK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	Sgfl-MluI


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Cloning Scheme:


ACCN: NM_001190233

ORF Size: 348 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

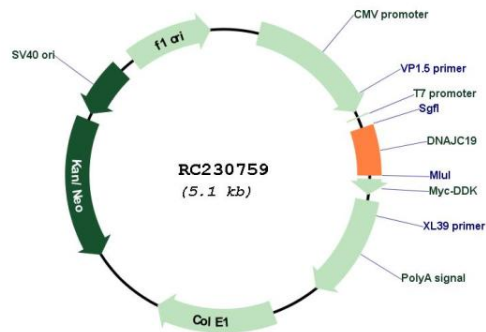
RefSeq: [NM_001190233.1](#), [NP_001177162.1](#)

RefSeq Size: 1488 bp

RefSeq ORF: 276 bp
 Locus ID: 131118
 UniProt ID: [Q96DA6](#)
 Cytogenetics: 3q26.33
 Protein Families: Transmembrane
 MW: 12.5 kDa

Gene Summary: The protein encoded by this gene is thought to be part of a complex involved in the ATP-dependent transport of transit peptide-containing proteins from the inner cell membrane to the mitochondrial matrix. Defects in this gene are a cause of 3-methylglutaconic aciduria type 5 (MGA5), also known as dilated cardiomyopathy with ataxia (DCMA). Alternative splicing of this gene results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 1, 2, 6, 10, 14 and 19. [provided by RefSeq, Jan 2012]

Product images:



Circular map for RC230759