

Product datasheet for MR200742

Dnajc19 (BC024335) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dnajc19 (BC024335) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dnajc19
Synonyms: 1810055D05Rik; AA959924; Tim14
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200742 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCAGCACAGTGGTAGCAGTCGGGTTGACCATTGCTGCTGCAGGATTTGCAGGCCGTTATGTTTTAC
 AAGCCATGAAGCATGTGGAGCCTCAAGTAAAACAAGTTTTTCAGAGCCTACCAAATCTGCATTCGGTGG
 TGGGTACTACAGAGGTGGATTTGAACCCAAAATGACAAAACGGGAAGCAGCATTAAATATTAGGTGTAAGC
 CCTACTGCCAATAAAGGGAAGATCAGGGATGCTCATCGCCGATTATGCTATTAATCACCCAGACAAGG
 GTAAGCAACTTTTATTACTATACTGGACTGTTAATGGAATAGCTAATTCTTGGTGTATGAATGTCTGTG
 TGTGAGCAGTTTCCAGTTGGATCACATTGTAGTGTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200742 protein sequence
 Red=Cloning site Green=Tags(s)

MASTVVAVGLTIAAGFAGRYVLQAMKHVEPQVKQVQSLPKSAFGGGYYRGGFEPKMTKREAAALILGVS
 PTANKGKIRDAHRRIMLLNHPDKGKQLLLLLYWTVNGIANSWCYECLCVSSFPVVDHIVVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: BC024335

ORF Size: 390 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: [BC024335](#), [AAH24335](#)

RefSeq Size: 1716 bp

RefSeq ORF: 392 bp

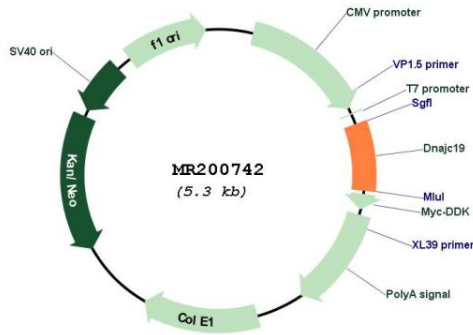
Locus ID: 67713

Cytogenetics: 3

MW: 14.2 kDa

Gene Summary: Probable component of the PAM complex, a complex required for the translocation of transit peptide-containing proteins from the inner membrane into the mitochondrial matrix in an ATP-dependent manner. May act as a co-chaperone that stimulate the ATP-dependent activity (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200742