

Product datasheet for MR201048

Dnajc15 (NM_025384) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dnajc15 (NM_025384) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dnajc15
Synonyms: 1110003P16Rik; Dnajd1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201048 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTACCGGTGGCGCGTGACCTCCAGAGAGGGGCTGCGCTACGCCGAATACCTGCCTCCTTCTGCC
 AAAGGTCGGACGCCGACATCGACCACACAGCGGGAGAAGGTTGCTAGCTGTAGGACTAGGTGTTGCAGC
 TGTTGCATTTGCAGGTCGCTATGCATTTTCAGATCTGGAACTCTAGAACAAGTAATCACGGCAACAGCA
 AGGAAGATTTCTCTCCAAGCTTTTCATCCTACTATAAAGGAGGATTCGAGCAGAAAATGAGTAAGCGAG
 AGGCTAGTCTTATTTTAGGTGTAAGCCCATCTGCTGGCAAGCCAAGATTAGAACAGCACACAAGAGAAT
 TATGATTTTAAACCATCCAGACAAAGGTGGATCTCCTTACTTAGCATCCAAAATAAATGAAGCAAAGAT
 TTGCTCGAAGCATCCAGCAAAGCTAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201048 protein sequence
 Red=Cloning site Green=Tags(s)

MATGGGVTSREGLRYAEYLPPSAQRSDADIDHTAGRRLAVGLGVAAVAFAGRYAFQIWKPLEQVITATA
 RKISSPSFSSYYKGGFEQKMSKREASLILGVSPSAGKAKIRTAHKRIMILNHPDKGGSPYLASKINEAKD
 LLEASSKAN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_025384

ORF Size: 450 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_025384.3](#), [NP_079660.1](#)

RefSeq Size: 671 bp

RefSeq ORF: 450 bp

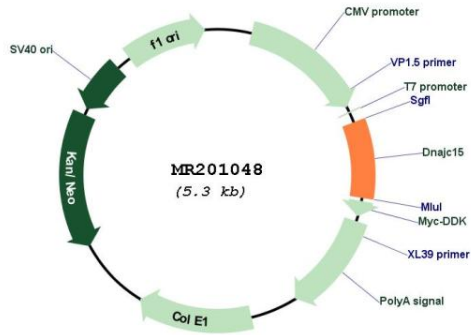
Locus ID: 66148

UniProt ID: [Q78YY6](#)

Cytogenetics: 14 D3
MW: 16 kDa

Gene Summary: Acts as an import component of the TIM23 translocase complex. Stimulates the ATPase activity of HSPA9 (By similarity). Negative regulator of the mitochondrial respiratory chain. Prevents mitochondrial hyperpolarization state and restricts mitochondrial generation of ATP. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201048