

Product datasheet for **MR208870**

Dnajc11 (BC085257) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnajc11 (BC085257) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dnajc11
Synonyms:	E030019A03Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208870 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGACGGCCTTGAGCGAGGAGGAGCTGGACAATGAAGACTATTACTCACTGCTGAACGTGCGCAGGG
 AGGCCTCTTCTGAAGAGCTGAAGGCTGCCTACCGAGGCTGTGTATGCTTTACCATCCGGACAAGCACAG
 GGACCCAGAGCTCAAATCCCAGGCGGAGCGGCTGTTAACCTTGTGCACCAGGCTTATGAAGTGCTTAGT
 GATCCCCAAACAAGAGCTATCTATGATATATACGGGAAGAGAGGCCTGGAGATGGAAGGATGGGAGGTGG
 TGGAAAGAAAGAGAACCACAGCCGAGATCAGAGAGGAGTTTGGAGAGCTCCAGAGAGAGCGCAAGAGAG
 GAGACTACAACAGCGAACGAACCCCAAGGGAACCATCAGCGTTGGAGTAGATGCGACTGACCTTTTTGAT
 CGTTATGATGAGGAATATGAAGATGTGTCCGGAAGTGGCTTCCCGCAGATTGAGATTAATAAAATGCACA
 TATCCAGTCCATTGAGGCGCCCTTGACAGCCACAGACACAGCCATCCTCTCTGGAAGTCTCTCCACCCA
 GAATGGCAACGGCGCGGCTCCATTAACCTTGCAGTCCGAGTGTACCTCTGCAAGGGATGGGGAGAG
 TTGGAGTTTGGAGCTGGAGACCTCCAGGGGCTTTATTTGGTCTCAAGCTGTTCCGTAATCTCACCCCAA
 GATGCTTTGTGACGACAAACTGTGCTCTGCAGTTTTTCATCCCGTGGGATCCGGCCTGGCCTGACCACTGT
 GCTAGCTCGGAACCTGGACAAGAACACTGTGGGCTACCTGCAGTGGCGCTGGGGTATCCAGTCAGCCATG
 AACACCAGCATCGTCCGGGACACTAAGACCTGCCACTTACGGTGGCCTTGCAGCTGGGCATCCCTCACT
 CCTTTGCACTCATCAGTTATCAGACAAGTTCAGGACGACGACCAGACTCGAGTGAAAGGGTCCCTCAA
 GGCAGGCTTCTTTGGGACCATAGTGGAGTATGGAGCTGAGAGGAAGATTTCCGACACAGCGTCTTGGGT
 GCGGCTGTGAGCATTGGCGTCCCTCAGGGTGTCTCTCAAAGTCAAGCTGAACAGGGCCAGTCAAGCT
 ACTTCTTCCCATCCACCTGACGGATCAGCTGCTCCCCAGCGCTGTGTTCTACGCCACCGTGGGGCCGCT
 GGTCTGCTACTTGGCAGTGCACAGGCTGATCATCAGACCGTACCTCAGGGCTCAGAAAGAGAAGGAACTG
 GAAAAGCAGAGAGAGAACACAGCCAGCGACATCCTGCAGAAGAAGCAAGGGCAGAGGCCCTGTTCCGGC
 TAATGCAGGAATCTGTCCGAAGAATAATTGAAGCAGAGGAGTACGAATGGGGCTTATCATCGTGAATGC
 CTGGTATGGGAAATTTGTCAATGACAAGAGCAGGAAGAACGAGAAGGTGAAGGTGATTGACGTGACAGTG
 CCCCTGCAGTGCCTGGTGAAGGACTCCAAGTCTCCTCACAGAGGCTCCAAGGCAGGGCTGCCGGGT
 TCTATGATCCATGTGTCGGGAGGAGAAGAGCCTGCGAGTGTGTACCAGTTCAGAGGTGTCTCCACCA
 GGTATGGTGCCTGACAGTGAGGCCCTGAGGATACCAAAGCAGTCTCACAGAATCGACACAGACGGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208870 protein sequence
 Red=Cloning site Green=Tags(s)

MATALSEEELDNEDYISLLNVRREASSEELKAAAYRRLCMLYHPDKHRDPELKSQAERLFNLVHQAYEVLSDPQTRAIYDIYGKRGLEMEGWVVERKRTPAEIREEFERLQREEREERLQQRTPNPKGTISVGV DATDLFD
 RYDEEYEDVSGSGFPQIEINKMHISQSI EAPLTATDTAILSGSLSTQNGNGGGSINFALRRVTSAKGWGE
 LEFGAGDLQGPLFGLKLFRLNTPRCFVTTNCALQFSSRGIRPGLTTVLARNLDKNTVGYLQWRWGIQSAM
 NTSIVRDTKTCHFTVALQLGIPHSFALISYQHKFQDDQTRVKGSLKAGFFGTIVEYGAERKISRHSVLG
 AAVSIGVPQGVSLKVKLNRSQTYFFPIHLTDQLLPSAVFYATVGPLVVYLAVHRLIIRPYLRAQKEKEL
 EKQRENTASDILQKKQEA EAAVRLMQESVRRRIIEAEESRMGLIIVNAWYGKVFVNDKSRKNEKVKVIDVTV
 PLQCLVKDSKILTEASKAGLPGFYDPCVGEESLRLVLYQFRGVLHQVMVPDSEALRIPKQSHRIDTDG

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC085257

ORF Size: 1677 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.

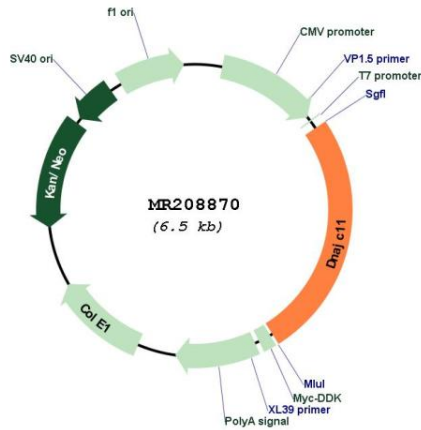
RefSeq: [BC085257](#), [AAH85257](#)
RefSeq Size: 2247 bp

RefSeq ORF: 1679 bp

Locus ID: 230935

Cytogenetics: 4 E2
MW: 63.2 kDa
Gene Summary: Required for mitochondrial inner membrane organization. Seems to function through its association with the MICOS complex and the mitochondrial outer membrane sorting assembly machinery (SAM) complex.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208870