

Product datasheet for **MG208870**

Dnajc1l (BC085257) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Dnajc1l
Synonyms:	E030019A03Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >MG208870 representing BC085257
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGACGGCCTTGAGCGAGGAGGAGCTGGACAATGAAGACTATTACTCACTGCTGAACGTGCGCAGGG
 AGGCCTCTTCTGAAGAGCTGAAGGCTGCCTACCGGAGGCTGTGTATGCTTTACCATCCGGACAAGCACAG
 GGACCCAGAGCTCAAATCCCAGGCGGAGCGGCTGTTTAACTTGTGCACCAAGGCTTATGAAGTGCTTAGT
 GATCCCCAAACAAGAGCTATCTATGATATATACGGGAAGAGAGGCTGGAGATGGAAGGATGGGAGGTGG
 TGGAAAGAAAGAGAACCCAGCCGAGATCAGAGAGGAGTTTGAAGAGTCCAGAGAGAGCGCAAGAGAG
 GAGACTACAACAGCGAACGAAACCCCAAGGGAACCATCAGCGTTGGAGTAGATGCGACTGACCTTTTTGAT
 CGTTATGATGAGGAATATGAAGATGTGTCCGGAAGTGCTTCCCGCAGATTGAGATTAATAAAATGCACA
 TATCCAGTCCATTGAGGCGCCCTTGACAGCCACAGACACAGCCATCCTCTCTGGAAGTCTCTCCACCCA
 GAATGGCAACGGCGGCGCTCCATTAACCTTGCAGTCCGACGTGTACCTCTGCAAAGGGATGGGGAGAG
 TTGGAGTTTGGAGCTGGAGACCTCCAGGGGCTTTATTTGGTCTCAAGCTGTTCCGTAACTCTCACCCCAA
 GATGCTTTGTGACGACAACTGTGCTCTGCAGTTTTCATCCCGTGGGATCCGGCCTGGCCTGACCACTGT
 GCTAGCTCGGAACCTGGACAAGAACACTGTGGGCTACCTGCAGTGGCGCTGGGGTATCCAGTCAGCCATG
 AACACCAGCATCGTCCGGGACACTAAGACCTGCCATTCACGGTGGCCTTGACAGTGGGCATCCCTCACT
 CCTTTGCAGTCATCAGTTATCAGCAAGTTCCAGGACGACGACCAAGACTCGAGTGAAAGGGTCCCTCAA
 GGCAGGCTTCTTTGGGACCATAGTGGAGTATGGAGCTGAGAGGAAGATTCCCGACACAGCGTCTTGGGT
 GCGGCTGTGAGCATTGGCGTCCCTCAGGGTGTGTCTCTCAAAGTCAAGCTGAACAGGGCCAGTCAGACCT
 ACTTCTTCCCCATCCACTGACGGATCAGCTGCTCCCAGCGCTGTGTTCTACGCCACCGTGGGGCCGCT
 GGTCGTCTACTTGGCAGTGCACAGGCTGATCATCAGACCGTACCTCAGGGCTCAGAAAGAGAAGGAACTG
 GAAAAGCAGAGAGAGAACAACAGCCAGCGACATCCTGCAGAAGAAGCAAGAGGCAGAGGCCGCTGTTCCGGC
 TAATGCAGGAATCTGTCCGAAGAATAATTGAAGCAGAGGAGTCACGAATGGGGCTTATCATCGTGAATGC
 CTGGTATGGGAAATTTGTCAATGACAAGAGCAGGAAGAACGAGAAGGTGAAGGTGATTGACGTGACAGTG
 CCCCTGCAGTGCCTGGTGAAGGACTCCAAGCTCATCCTCACAGAGGCTCCAAGGCAGGGCTGCCGGGGT
 TCTATGATCCATGTGTCGGGGAGGAGAAGAGCCTGCGAGTGTGTACCAGTTCAGAGGTGTGCTCCACCA
 GGTTATGGTGCCTGACAGTGAGGCCCTGAGGATACCAAGCAGTCTCACAGAATCGACACAGACGGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG208870 representing BC085257
 Red=Cloning site Green=Tags(s)

MATALSEEELDNEDYYSLNVRREASSEELKAAAYRRLCMLYHPDKHRDPELKSQAERLFNLVHQAYEVL
 DPQTRAIYDIYGKRLEMEGWVVERKTPAEIREEFERLQREEREERLQQRTPNPKGTISVGV DATDLFD
 RYDEEYEDVSGSGFPQIEINKMHISQSIEAPLTATDTAILSGSLSTQNGNGGGSINFALRRVTSAGKGE
 LEFGAGDLQGPLFGLKLFRLNLTPTCFVTTNCALQFSSRGIRPGLTTVLARNLDKNTVGYLQWRWGIQSAM
 NTSIVRDTKTCHFTVALQLGIPHSFALISYQHKFQDDQTRVKGSLKAGFFGTIVEYGAERKISRHSVLG
 AAVSIGVPQGVSLKVLNRSQTYFFPIHLTDQLLPSAVFYATVGPLVVYLAVHRLIIRPYLRAQKEKEL
 EKQRENTASDILQKKQEAEEAVRLMQESVRRRIIEAEESRMGLIIVNAWYKGFVNDKSRKNEKVKVIDVT
 PLQCLVKDSKILTEASKAGLPGFYDPCVGEESLRVLYQFRGVLHQVMVPDSEALRIPKQSHRIDTDG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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

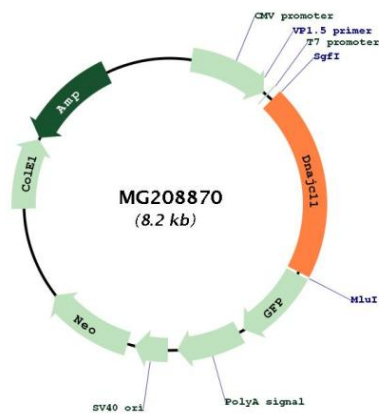
RefSeq ORF: 1679 bp

Locus ID: 230935

Cytogenetics: 4 E2

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 MG208870