

Product datasheet for **MR208765**

Dnajc1 (BC080300) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnajc1 (BC080300) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dnajc1
Synonyms:	MTJ1, ERdj1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR208765 representing BC080300
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGGTTCCCGGCTTCGGATCCGCGCGACTTCCCAGCGCCGGCGCTCCGGTTGGAGTCATCTCGG
 TCGCGCCGCTGTGGCTGCTGCTGTTCTGCTGGCAGCCGTGCGGCCAGTGCAGCGCTGGGAGAGCGG
 AGACCTGGAGTTGTTGACTTGGTGAAGAGGTGCAGTTGAACCTTCTACGAGTTCCTCGGGTGCAGCAG
 GATGCTTCATCTGCAGACATCAGAAAAGCATATCGTAAGCTTTCCTAACCTTACATCCAGACAAGAATA
 AAGATGAAAATGCAGAACTCAATTTAGACAATTGGTGGCATTATGAAGTTTTAAAGGATGATGAAAAG
 AAGGCAGAGGTATGATGATGTTCTGATCAATGGACTTCCAGATTGGCGACAGCCTGTATTCTACTACAGG
 CGAGTGAGAAAAATGAGCAATGCTGAGCTGGCTTTGCTCTTGTTCATTATTCTCACAGTGGGTCACTATG
 CTGTGGTTTGGTCCATCTACCTGAAAAGCAACTGGATGAACTGCTTGGTAGAAAAAGAGAAAAGGAA
 GAAGAAGACAGGAAGCAAGAGTGTGGACGACGAAAACCTTGGTGTCTGAAAAGAACGAAAAGATTGCTT
 ATAAAACCACAATGGCATGATTTGCTTCCATGCAAACCTGGGGATTGGTTTTGCCTTACACTAAAAGCAT
 TGCCCTCATCTAATCCAGGATGCTGGGCAGTTTTATGCAAAATATAAGGAGACAAAATTGAAGGAAAAAGA
 AGACGCACTGGCTAGAATTGAAATTGAAACCTTCAAAAACAGAAAGGTTAAAGTTAAAAACAAAA
 CCAGAATTTCTGTGATATGCCTTTAGAAAATACGTATATTCAGTCTTATGATCATGGAACCTTCTATTG
 AAGAAATTGAGGAGCAATGGATGACTGGCTGGAAAACAGGAAAAGAACAGAAAAGACAGGCACCTGA
 ATGGACAGAAGAGGACCTCAGTCAACTGACAAGAAGTATGGTTAAGTTCCAGGAGGGACTCCAGGTGGA
 TGGGACAAGATTGCCCATGAATTGGTTCGATCTGTGACAGATGTGACAACCAAGCCAAGGAACCTGAAGG
 ACTCAGTCACCAGCTCCCCGGAATGACCAGGCTCTCTGAACTTAAGTCAAATGGTCAGAAATCCAGGCC
 AATCAAGATAGCCACAGCCTTGCCAGATGACATCATCACGCAGCGGGAGGACTCAGCAGGGGCCATGGAG
 GATGAGGAGCACGAGGCTGCTGAGGGTGAAGAGGAGTCAAGCAGCCACAGAAAGCCGACCTCGGAGGCGGA
 AGTCAGCCAGGGCGGCTGAGGCTGTAACAGAGTGGAGCCAGAGGAGAAGCTGAGAGGAAAAGAGGCAAAA
 AGACTTTGATATATCAGAACAAAACGATTCAGTACGAAAGAGAAAACGAAAAGAAAAGAACTCGTGCT
 GCAGAGGAGGCGTGGACTCAGAGTCAGCAGAACTTCTGGAATTGGCATTACAGCAATACCTAAAGGAG
 CTTCTGACCGCTGGGACAAAATAGCCAAATGTGTCCCGTCTAAGAGTAAGGAAGACTGCATTGCTAGATA
 CAAGCTGCTGGTTGAACTGGTCCAAAAGAAAAGCAGGCTAAAAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208765 representing BC080300
 Red=Cloning site Green=Tags(s)

MWVPGFGSARLPQRRRSGLESSVRPLWLLLLFLAAVRPVRAWESGDLELFDLVEEVQLNFYEF LGVQQ
 DASSADIRKAYRKLSTLHPDKNKDENAETQFRQLVAIYEV LKDDERRQRYDDVLINGLPDWRQPVFYR
 RVRKMSNAELALLLFIILTVGHYAVVWSIYLEKQLDELGRKKRERKKKTGSKSVDAAKLGASEKNERLL
 IKPQWHDLLPCKLGIWFCLTLKALPHLIQDAGFYAKYKETKLKEKEDALARIEIETLQKQKVKVKKPK
 PEFVYMPLENTYIQSYDHGTSIEEIEEQMDDWLENRKRQKQAPWTEEDLSQLTRSMVKFPGGTPGR
 WDKIAHELGRSVTDVTTKAKELKDSVTSPPGMTRLSELKSNQNSRPIKIATALPDDIITQREDSAGAME
 DEEHEAAEGEQESATTEARPRRRKSARAAEAVTRVEPEEKLRGKRQKDFDISEQNDSSDEEKQRKERTRA
 AEEAWTQSQQKLELALQQYPKGASDRWDKIAKCVPSKSKEDCIARYKLLVELVQKKQAKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

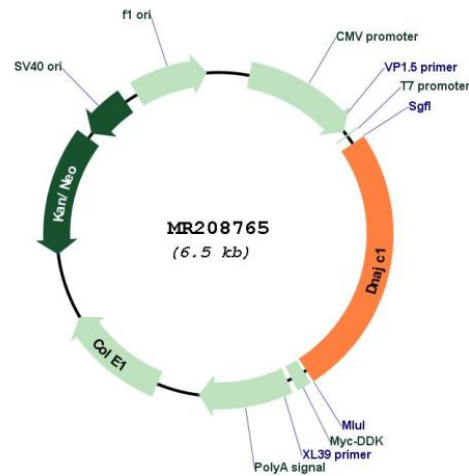
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	BC080300
ORF Size:	1656 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:	<ol style="list-style-type: none">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:	BC080300
RefSeq Size:	5087 bp
RefSeq ORF:	1658 bp
Locus ID:	13418
Cytogenetics:	2 A3
MW:	186.5 kDa
Gene Summary:	May modulate protein synthesis.[UniProtKB/Swiss-Prot Function]