

Product datasheet for **MR222377**

Dnajc1 (NM_001190817) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnajc1 (NM_001190817) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dnajc1
Synonyms:	4733401K02Rik; AA960110; D230036H06Rik; Dnajl1; ERdj1; ERj1p; MTJ1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR222377 representing NM_001190817
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGTTCCCGGCTTCGGATCCGCGCGACTTCCCAGCGCCGGCGCTCCGGTTGGAGTCATCTCGG
 TCGCGCCGCTGTGGCTGCTGCTGCTGTTCTGCTGGCAGCCGTGCGGCCAGTGCAGCGCTGGGAGAGCGG
 AGACCTGGAGTTGTTGACTTGGTGAAGAGGTGCAGTTGAACCTTCTACGAGTTCCTCGGGTGCAGCAG
 GATGCTTCATCTGCAGACATCAGAAAAGCATATCGTAAGCTTTCCTAACCTTACATCCAGACAAGAATA
 AAGATGAAAATGCAGAACTCAATTTAGACAATTGGTGGCATTATGAAGTTTTAAAGGATGATGAAAAG
 AAGGCAGAGGTATGATGATGTTCTGATCAATGGACTTCCAGATTGGCGACAGCCTGTATTCTACTACAGG
 CGAGTGAGAAAAATGAGCAATGCTGAGCTGGCTTTGCTCTTGTTCATTATTCTCACAGTGGGTCACTATG
 CTGTGGTTTGGTCCATCTACCTGAAAAGCAACTGGATGAACTGCTTGGTAGAAAAAGAGAAAAGGAA
 GAAGAAGACAGGAAGCAAGAGTGTGGACGACGAAAACCTTGGTGTCTGAAAAGAACGAAAAGATTGCTT
 ATAAAACCACAATGGCATGATTTGCTTCCATGCAAACCTGGGGATTGGTTTTGCCTTACACTAAAAGCAT
 TGCCCTCATCTAATCCAGGATGCTGGGCAGTTTTATGCAAAATATAAGGAGACAAAATTGAAGGAAAAAGA
 AGACGCACTGGCTAGAATTGAAATTGAAACCTTCAAAAACAGAAAGGTTAAAGTTAAAAACAAAA
 CCAGAATTTCTGTGATATGCCTTTAGAAAATACGTATATTCAGTCTTATGATCATGGAACCTTCTATTG
 AAGAAATTGAGGAGCAATGGATGACTGGCTGGAAAACAGGAAAAGAACAGAAAAGACAGGCACCTGA
 ATGGACAGAAGAGGACCTCAGTCAACTGACAAGAAGTATGGTTAAGTTCCAGGAGGACTCCAGGTCGA
 TGGGACAAGATTGCCATGAATTGGTTCGATCTGTGACAGATGTGACAACCAAGCCAAGGAACCTGAAGG
 ACTCAGTCACCAGCTCCCCGGAATGACCAGGCTCTCTGAACTTAAGTCAAATGGTCAGAATTCAGGCC
 AATCAAGATAGCCACAGCCTTGCCAGATGACATCATCACGACGGGAGGACTCAGCAGGGGCCATGGAG
 GATGAGGAGCACGAGGCTGCTGAGGGTGAAGCAGGAGTCAAGCAGCCACAGAAAGCCGACCTCGGAGCGGA
 AGTCAGCCAGGGCGGCTGAGGCTGTAACCAGAGTGGAGCCAGAGGAGAAGCTGAGAGGAAAAGAGGCAAAA
 AGACTTTGATATATCAGAACAAAACGATTCAGTACGAAAGAGAAAACGAAAAGAAAAGAACTCGTGCT
 GCAGAGGAGGCGTGGACTCAGAGTCAGCAGAAAACCTTGGAAATGGCATTACAGCAATACCTAAAGGAG
 CTTCTGACCGCTGGGACAAAATAGCCAAATGTGTCCCGTCTAAGAGTAAGGAAGACTGCATTGCTAGATA
 CAAGCTGCTGGTTGAACTGGTCCAAAAGAAAAGCAGGCTAAAAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR222377 representing NM_001190817
 Red=Cloning site Green=Tags(s)

MWVPGFGSARLPQRRRSGLESSVRPLWLLLLFLLAAVRPVRAWESGDLELFDLVEEVQLNFYEFLLGVQQ
 DASSADIRKAYRKLSTLHPDNKNKDNAETQFRQLVAIYEVLKDDERRQRYDDVLIINGLPDWRQPVFYYR
 RVRKMSNAELALLFIILTVGHYAVVWSIYLEKQLDELLGRKKRERKKKTGSKSVDAAKLGASEKNERLL
 IKPQWHDLLPCKLGIWFCLTLKALPHLIQDAGQFYAKYKETKLEKEDALARIEIETLQKQKVKVKKPK
 PEFPVYMPLENTYIQSYDHGTSIEEIEEQMDDWLENRKRTQKRQAPEWTEEDLSQLTRSMVKFPGGTPGR
 WDKIAHELGRSVTDVTTKAKELKDSVTSPPGMTRLSELKSNQNSRPIKIATALPDDIITQREDSAGAME
 DEEHEAAEGEQESATTEARPRRRKSARAAEAVTRVEPEEKLRGKRQKDFDISEQNDSDEEKQRKERTRA
 AEEAWTQSQQKLELALQQYPKGASDRWDKIAKCVPSKSKEDCIARYKLLVELVQKKKQAKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9015_d08.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001190817

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:

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_001190817.1](#), [NP_001177746.1](#)

RefSeq Size: 5106 bp

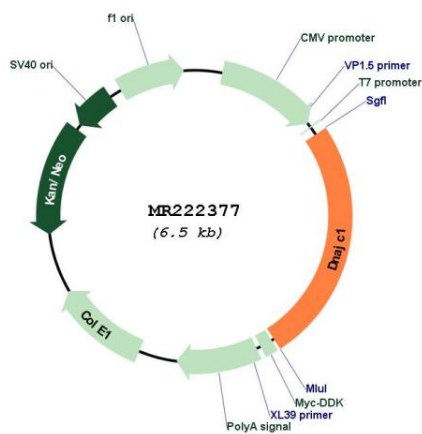
RefSeq ORF: 1659 bp

Locus ID: 13418

UniProt ID: [Q61712](#)

Cytogenetics: 2 A3
 MW: 64.3 kDa
 Gene Summary: May modulate protein synthesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222377