

## Product datasheet for **MR222376**

### **Dnajc1 (NM\_007869) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dnajc1 (NM_007869) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dnajc1
Synonyms:	4733401K02Rik; AA960110; D230036H06Rik; Dnajl1; ERdj1; ERj1p; MTJ1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR222376 representing NM\_007869  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGGGTTCCCGGCTTCGGATCCGCGCGACTTCCCAGCGCCGGCGCTCCGGGTTGGAGTCATCCTCGG  
 TCGCGCCGCTGTGGCTGCTGCTGTTCTGCTGGCAGCCGTGCGGCCAGTGCAGCGCTGGGAGAGCGG  
 AGACCTGGAGTTGTTGACTTGGTGAAGAGGTGCAAGTTGAACCTTACGAGTTCCTCGGGTGCAGCAG  
 GATGCTTCATCTGCAGACATCAGAAAAGCATATCGTAAGCTTTCCTAACCTTACATCCAGACAAGAATA  
 AAGATGAAAATGCAGAACTCAATTTAGACAATTGGTGGCATTATGAAGTTTTAAAGGATGATGAAAAG  
 AAGGCAGAGGTATGATGATGTTCTGATCAATGGACTTCCAGATTGGCGACAGCCTGTATTCTACTACAGG  
 CGAGTGAGAAAAATGAGCAATGCTGAGCTGGCTTTGCTCTTGTTCATTATTCTCACAGTGGGTCACTATG  
 CTGTGGTTTTGGTCCATCTACCTGAAAAGCAACTGGATGAACTGCTTGGTAGAAAAAGAGAAAAGGAA  
 GAAGAAGACAGGAAGCAAGAGTGTGGACGACGAAAACCTTGGTGTCTGAAAAGAACGAAAAGATTGCTT  
 ATAAAACCACAATGGCATGATTTGCTTCCATGCAAACCTGGGGATTGGTTTTGCCTTACACTAAAAGCAT  
 TGCCCTCATCTAATCCAGGATGCTGGGCAGTTTTATGCAAAATATAAGGAGACAAAATTGAAGGAAAAAGA  
 AGACGCACTGGCTAGAATTGAAATTGAAACCTTCAAAAACAGAAAGGTTAAAGTTAAAAACAAAA  
 CCAGAATTTCTGTGATATGCCTTTAGAAAATACGTATATTCAGTCTTATGATCATGGAACCTTCTATTG  
 AAGAAATTGAGGAGCAATGGATGACTGGCTGGAAAACAGGAAAAGAACAGAAAAGACAGGCACCTGA  
 ATGGACAGAAGAGGACCTCAGTCAACTGACAAGAAGTATGGTTAAGTTCCAGGAGGGACTCCAGGTCGA  
 TGGGACAAGATTGCCCATGAATTGGGTCGATCTGTGACAGATGTGACAACCAAGCCAAGGAACCTGAAGG  
 ACTCAGTCACCAGCTCCCCGGAATGACCAGGCTCTCTGAACTTAAGTCAAATGGTCAGAATCCAGGCC  
 AATCAAGATAGCCACAGCCTTGCCAGATGACATCATCACGACGCGGAGGACTCAGCAGGGGCCATGGAG  
 GATGAGGAGCACGAGGCTGCTGAGGGTGAAGAGGAGTCAAGCAGCCACAGAAAGCCGACCTCGGAGGCGGA  
 AGTCAGCCAGGGCGGCTGAGGCTGTAACAGAGTGGAGCCAGAGGAGAAGCTGAGAGGAAAAGAGGCAAAA  
 AGACTTTGATATATCAGAACAAAACGATTCAGTACGAAAGAGAAAACGAAAAGAAAAGAACTCGTGCT  
 GCAGAGGAGGCGTGGACTCAGAGTCAGCAGAAAACCTTGGAAATTGGCATTACAGCAATACCTAAAGGAG  
 CTTCTGACCGCTGGGACAAAATAGCCAAATGTGTCCCGTCTAAGAGTAAGGAAGACTGCATTGCTAGATA  
 CAAGCTGCTGGTTGAACTGGTCCAAAAGAAAAGCAGGCTAAAAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR222376 representing NM\_007869  
 Red=Cloning site Green=Tags(s)

MWVPGFGSARLPQRRRSGLESSVRPLWLLLLFLLAAVRPVRAWESGDLELFDLVEEVQLNFYEF LGVQQ  
 DASSADIRKAYRKLSTLHPDKNKDENAETQFRQLVAIYEV LKDDERRQRYDDVLINGLPDWRQPVFYR  
 RVRKMSNAELALLLFIIILTVGHYAVVWSIYLEKQLDEL LGRKKRERKKKTGSKSVDAAKLGASEKNERLL  
 IKPQWHDLLPCKLGIWFCLTLKALPHLIQDAGFYAKYKETKLKEKEDALARIEIETLQKQKVKVKKPK  
 PEFVYMPLENTYIQSYDHGTSIEEIEEQMDDWLENRKR TQKRQAPEWTEEDLSQLTRSMVKFPGGTPGR  
 WDKIAHELGRSVTDVTTKAKELKDSVTSPPGMTRLSELK SNGQNSRPIKIATALPDDIITQREDSAGAME  
 DEEHEAAEGEQESATTEARPRRRKSARAAEAVTRVEPEEKLRGKRQKDFDISEQNDSSDEEKQRKERTRA  
 AEEAWTQSQQKLELALQQYPKGASDRWDKIAKCVPSKSKEDCIARYKLLVELVQKKKQAKS

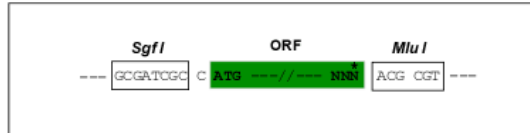
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

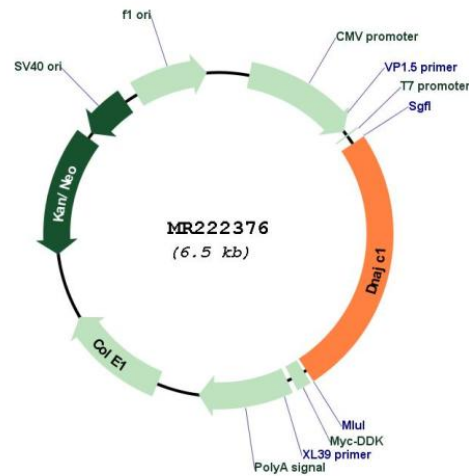
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



<b>ACCN:</b>	NM_007869
<b>ORF Size:</b>	1656 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_007869.3</a> , <a href="#">NP_031895.1</a>
<b>RefSeq Size:</b>	5497 bp
<b>RefSeq ORF:</b>	1659 bp
<b>Locus ID:</b>	13418
<b>UniProt ID:</b>	<a href="#">Q61712</a>
<b>Cytogenetics:</b>	2 A3
<b>MW:</b>	64.3 kDa
<b>Gene Summary:</b>	May modulate protein synthesis.[UniProtKB/Swiss-Prot Function]