

## Product datasheet for **MG222376**

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

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dnajc1 (NM_007869) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dnajc1
Synonyms:	4733401K02Rik; AA960110; D230036H06Rik; Dnajl1; ERdj1; ERj1p; MTJ1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG222376 representing NM\_007869  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGGTTCCCGGCTTCGGATCCGCGCGACTTCCCAGCGCCGGCGCTCCGGTTGGAGTCATCTCGG  
 TCGGGCCGCTGTGGCTGCTGCTGTTCTGCTGGCAGCCGTGGGCCAGTGCAGCGCTGGGAGAGCGG  
 AGACCTGGAGTTGTTGACTTGGTGAAGAGGTGCAGTTGAACCTCTACGAGTTCCTCGGGTGCAGCAG  
 GATGCTTCATCTGCAGACATCAGAAAAGCATATCGTAAGCTTTCCTAACCTTACATCCAGACAAGAATA  
 AAGATGAAAATGCAGAACTCAATTTAGACAATTGGTGGCATTATGAAGTTTTAAAGGATGATGAAAAG  
 AAGGCAGAGGTATGATGATGTTCTGATCAATGGACTTCCAGATTGGCGACAGCCTGTATTCTACTACAGG  
 CGAGTGAGAAAAATGAGCAATGCTGAGCTGGCTTTGCTCTTGTTCATTATTCTCACAGTGGGTCACTATG  
 CTGTGGTTTGGTCCATCTACCTGAAAAGCAACTGGATGAACTGCTTGGTAGAAAAAGAGAAAAGGAA  
 GAAGAAGACAGGAAGCAAGAGTGTGGACGACGAAAACCTGGTGTCTGAAAAGAACGAAAAGATTGCTT  
 ATAAAACCACAATGGCATGATTTGCTTCCATGCAAACCTGGGGATTGGTTTTGCCTTACACTAAAAGCAT  
 TGCCCTCATCTAATCCAGGATGCTGGGCAGTTTTATGCAAAATATAAGGAGACAAAATTGAAGGAAAAAGA  
 AGACGCACTGGCTAGAATTGAAATTGAAACCTTCAAAAACAGAAAGGTTAAAGTTAAAAACAAAA  
 CCAGAATTTCTGTGATATGCCTTTAGAAAATACGTATATTCAGTCTTATGATCATGGAACCTTCTATTG  
 AAGAAATTGAGGAGCAATGGATGACTGGCTGGAAAACAGGAAAAGAACAGAAAAGACAGGCACCTGA  
 ATGGACAGAAGAGGACCTCAGTCAACTGACAAGAAGTATGGTTAAGTCCCAGGAGGACTCCAGGTCGA  
 TGGGACAAGATTGCCCATGAATTGGTTCGATCTGTGACAGATGTGACAACCAAGCAAGGAACCTGAAGG  
 ACTCAGTCACCAGCTCCCCGGAATGACCAGGCTCTCTGAACTTAAGTCAAATGGTCAGAATTCAGGCC  
 AATCAAGATAGCCACAGCCTTGCCAGATGACATCATCACGACGGGAGGACTCAGCAGGGGCCATGGAG  
 GATGAGGAGCACGAGGCTGCTGAGGGTGAAGCAGGAGTCAAGCAGCCACAGAAAGCCGACCTCGGAGCGGA  
 AGTCAGCCAGGGCGGCTGAGGCTGTAACAGAGTGGAGCCAGAGGAGAAGCTGAGAGGAAAAGAGGCAAAA  
 AGACTTTGATATATCAGAAACAAACGATTCAGTACGAAAGAGAAAACAGAAAAGAAAAGAACTCGTGCT  
 GCAGAGGAGGCGTGGACTCAGAGTCAGCAGAACTTCTGGAATTGGCATTACAGCAATACCTAAAGGAG  
 CTTCTGACCGCTGGGACAAAATAGCCAAATGTGTCCCGTCTAAGAGTAAGGAAGACTGCATTGCTAGATA  
 CAAGCTGCTGGTTGAACTGGTCCAAAAGAAAAGCAGGCTAAAAGC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG222376 representing NM\_007869  
 Red=Cloning site Green=Tags(s)

MWVPGFGSARLPQRRRSGLESSVRPLWLLLLFLLAAVRPVRAWESGDLELFDLVEEVQLNFYEFGLGVQQ  
 DASSADIRKAYRKLSTLHPDKNKDENAETQFRQLVAIYEVLKDDERRQRYDDVLIINGLPDWRQPVFYR  
 RVRKMSNAELALLFIILTVGHYAVVWSIYLEKQLDELLGRKKRERKKKTGSKSVDAAKLGASEKNERLL  
 IKPQWHDLLPCKLGIWFCLTLKALPHLIQDAGQFYAKYKTKLKEKEDALARIEIETLQKQKVKVKKPK  
 PEFVYMPLENTYIQSYDHGTSIEEIEEQMDDWLENRKRQKQRAPEWTEEDLSQLTRSMVKFPGGTPGR  
 WDKIAHELGRSVTDVTTKAKELKDSVTSPPGMTRLSELKSNQNSRPIKIATALPDDIITQREDSAGAME  
 DEEHEAAEGEQESATTEARPRRRKSARAAEAVTRVEPEEKLRGKRQKDFDISEQNDSSDEEKQRKERTRA  
 AEEAWTQSQQKLELALQQYPKGASDRWDKIAKCVPSKSKEDCIARYKLLVELVQKKKQAKS

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_007869

**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\\_007869.3](#), [NP\\_031895.1](#)

**RefSeq Size:** 5497 bp

**RefSeq ORF:** 1659 bp

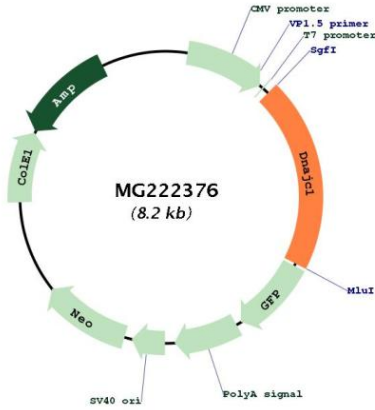
**Locus ID:** 13418

**UniProt ID:** [Q61712](#)

Cytogenetics: 2 A3

Gene Summary: May modulate protein synthesis.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG222376