

Product datasheet for **MG222377**

Dnajc1 (NM_001190817) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnajc1 (NM_001190817) 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:

>MG222377 representing NM_001190817
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTGGTTCCCGGCTTCGGATCCGCGCGACTTCCCAGCGCCGGCGCTCCGGTTGGAGTCATCTCGG
 TCGCGCCGCTGTGGCTGCTGCTGCTGTTCTGCTGGCAGCCGTGCGGCCAGTGCGCGCCTGGGAGAGCGG
 AGACCTGGAGTTGTTGCGACTTGGTGAAGAGGTGCAGTTGAACCTTCTACGAGTTCCTCGGGTGCAGCAG
 GATGCTTCATCTGCAGACATCAGAAAAGCATATCGTAAGCTTTCCTAACCTTACATCCAGACAAGAATA
 AAGATGAAAATGCAGAACTCAATTTAGACAATTGGTGGCATTATGAAGTTTTAAAGGATGATGAAAAG
 AAGGCAGAGGTATGATGATGTTCTGATCAATGGACTTCCAGATTGGCGACAGCCTGTATTCTACTACAGG
 CGAGTGAGAAAAATGAGCAATGCTGAGCTGGCTTTGCTCTTGTTCATTATTCTCACAGTGGGTCACTATG
 CTGTGGTTTGGTCCATCTACCTGAAAAGCAACTGGATGAACTGCTTGGTAGAAAAAGAGAAAAGGAA
 GAAGAAGACAGGAAGCAAGAGTGTGGACGACGAAAACCTTGGTGTCTGAAAAGAACGAAAAGATTGCTT
 ATAAAACCACAATGGCATGATTTGCTTCCATGCAAACCTGGGGATTGGTTTTGCCTTACACTAAAAGCAT
 TGCCCTCATCTAATCCAGGATGCTGGGCAGTTTTATGCAAAATATAAGGAGACAAAATTGAAGGAAAAAGA
 AGACGCACTGGCTAGAATTGAAATTGAAACCTTCAAAAACAGAAAGAAAGTTAAAGTTAAAAACAAAA
 CCAGAATTTCTGTGATATGCCTTTAGAAAATACGTATATTCAGTCTTATGATCATGGAACCTTCTATTG
 AAGAAATTGAGGAGCAATGGATGACTGGCTGGAAAACAGGAAAAGAACAGAAAAGACAGGCACCTGA
 ATGGACAGAAGAGGACCTCAGTCAACTGACAAGAAGTATGGTTAAGTTCCAGGAGGACTCCAGGTCGA
 TGGGACAAGATTGCCATGAATTGGGTCGATCTGTGACAGATGTGACAACCAAGCAAGGAACCTGAAGG
 ACTCAGTCACCAGCTCCCCGGAATGACCAGGCTCTCTGAACTTAAGTCAAATGGTCAGAATTCAGGCC
 AATCAAGATAGCCACAGCCTTGCCAGATGACATCATCACGACGCGGAGGACTCAGCAGGGGCCATGGAG
 GATGAGGAGCACGAGGCTGCTGAGGGTGAAGCAGGAGTCAAGCAGCCACAGAAAGCCCGACCTCGGAGCGGA
 AGTCAGCCAGGGCGGCTGAGGCTGTAACAGAGTGGAGCCAGAGGAGAAGCTGAGAGGAAAAGAGGCAAAA
 AGACTTTGATATATCAGAACAAAACGATTCAGTACGAAAGAGAAAACAGAAAAGAAAAGAACTCGTGCT
 GCAGAGGAGGCGTGGACTCAGAGTCAGCAGAAAACCTTCTGGAATTGGCATTACAGCAATACCTAAAGGAG
 CTTCTGACCGCTGGGACAAAATAGCCAAATGTGTCCCGTCTAAGAGTAAGGAAGACTGCATTGCTAGATA
 CAAGCTGCTGGTTGAACTGGTCCAAAAGAAAAGCAGGCTAAAAGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG222377 representing NM_001190817
 Red=Cloning site Green=Tags(s)

MWVPGFGSARLPQRRRSGLESSVRPLWLLLLFLLAAVRPVRAWESGDLELFDLVEEVQLNFYEFGLGVQQ
 DASSADIRKAYRKLSTLHPDKNKDENAETQFRQLVAIYEVLKDDERRQRYDDVLIINGLPDWRQPVFYR
 RVRKMSNAELALLFIILTVGHYAVVWSIYLEKQLDELLGRKKRERKKKTGSKSVDAAKLGASEKNERLL
 IKPQWHDLLPCKLGIWFCLTLKALPHLIQDAGQFYAKYKETKLEKEDALARIEIETLQKQKVKVKKPK
 PEFVYMPLENTYIQSYDHGTSIEEIEEQMDDWLENRKRQKQRAPEWTEEDLSQLTRSMVKFPGGTPGR
 WDKIAHELGRSVTDVTTKAKELKDSVTSSPGMTRLSELKSNQNSRPIKIATALPDDIITQREDSAGAME
 DEEHEAAEGEQESATTEARPRRRKSARAAEAVTRVEPEEKLRGKRQKDFDISEQNDSSDEEKQRKERTRA
 AEEAWTQSQQKLELALQQYPKGASDRWDKIAKCVPSKSKEDCIARYKLLVELVQKKKQAKS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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:	<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:	NM_001190817.1 , NP_001177746.1
RefSeq Size:	5106 bp
RefSeq ORF:	1659 bp
Locus ID:	13418
UniProt ID:	Q61712
Cytogenetics:	2 A3
Gene Summary:	May modulate protein synthesis.[UniProtKB/Swiss-Prot Function]