

Product datasheet for **MC219814**

Dnajc2 (NM_009584) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnajc2 (NM_009584) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dnajc2
Synonyms:	AU020218; MIDA1; Zrf1; Zrf2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219814 representing NM_009584
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGCTCCTGCCGAGCGCCGCGGAGGGCCAGGGCACCGCCATCACCCACGCTCTGACCTCCGCTCTT
 CAGTCTGTCAAGTTGAACCTGTGGGAAGATGGTTTGAAGCTTTTGTAAAGAGGAGAAACAGAAATGCTTC
 TACATCTTTTCAGGAAGTGAAGATAAAGAAAGAGTTGTCAGAGGAATCAGAAAGTGAAGAGTTACAGTTA
 GAAGAATCCCATGCTGAAAACACTTGTATCCCAAAGATTGGAAGAATCAAGATCATTATGCGGTTCTTG
 GACTTGGCCACGTCAGATACACAGCTACACAGAGACAGATCAAAGCAGCTCATAAAGCAATGGTCTTGAA
 ACATCATCCAGACAAACGGAAAGCGGCTGGGGAACCCATCAAAGAAGGAGACAATGACTACTTCACTTGC
 ATAATAAGCTTATGAAATGTTGTCTGATCCAGTGAAGGCGGGCATTAAACAGTGTAGATCCTACTT
 TTGACAACCTCAGTTCCTTCTAAAAGTGAAGCTAAGGACAATTTTTTCAAGTGTCTCCAGTGTGTA
 AAGGAATCAAGATGGTCAAATAAAAAAATGTTCCCAAGCTTGGTATGAACCTCCTGTTTGAAGAT
 GTAGATGCGTTTTACTCTTCTGGTATAATTTTATTCTTGGAGAGAATTTCTTATTTAGATGAAGAAG
 AAAAAGAAAAAGCAGAATGCCGTGATGAGAGGAAGTGGATTGAAAAGCAGAACAGAGCCACGAGGGCACA
 AAGGAAAAAGGAAGAGATGAACAGAATAAGAACATTAGTTGATAATGCTTACAGTTGTGACCCAAGGATA
 AAAAAATTTAAGGAAGAAGAAAAGGCCAAGAAAGAGCAGAAAAGAAAAGCAGAGGCCAGGCGGA
 AGGAGCAGGAAGCCAAAGAAAAGCAAAGACAAGCTGAATTAGAAGCTGTTGCGTTGGCTAAGGAGAAAGA
 AGAGGAAGAAGTTAGACAGCAAGCATTGTTGGCCAAGAAGGAAAAAGATATCCAGAAGAAAGCCATTA
 AAGGAAAAGGCAGAACTTCGGAACCTCGTCAAGAGCTGGAATCACTTCTCGGACAATGAGGCAGACCGTG
 TTAATAATGATGGAAGAGGTGAAAAACTCTGTGATCGGCTTGAAGTCAAGCAAGCTTGCAGGGCTTGAATGA
 AATCCTGGCTTCACTACGAGAGAAGTAGGAAAAGCTGCACTTGAAAAACAGATAGAAGAAGTGAATGAG
 CAGATGAGGAGAGAGAAGGAGGAAGCTGATGCTCGGATGCGCAAGCATCCAAGAATGCAGAGAAGTCAA
 CTGGTGAAGTGGGAGTGGCAGTAAAAATTGGTCAGAAGATGATCTGCAATTATTAATTAAGCTGTCAA
 TCTCTTCCCTGCTGGAACAACTCAAGTGGGAAGTCAATTGCTAATTATATGAACATACATTCTTCTTCT
 GGCGTCAAAGAAGTCCAAAGATGTTATTAGCAAGGCTAAAAGCCTCCAAAACTTGACCCTCATCAA
 AAGATGACATTAACAAAAAGGCTTTTGATAAGTTAAAAAGAACATGGAGTGGCTCTCAGGCTGACAG
 TGCAGCACCATCAGAACGGTTTGAAGTCCCTGCATAGATTCCACCCCTGGACAACAGAAGAACAGAAA
 CTTTTAGAACAGGCTTTGAAAACATACCAGTAAATACTCCTGAACGATGGGAAAAGATAGCCGAAGCTG
 TTCTTGGCAGGACGAAGAAGACTGCATGAGGCGATACAAGGAACCTGTGGAGATGGTGAAGCCAAAGAA
 AGCTGCTCAGGAGCAAGTCTGAATGCAAGCAGAGCCAGGAAATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_009584

Insert Size: 1866 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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: [BC052027](#), [AAH52027](#)

RefSeq Size: 2086 bp

RefSeq ORF: 1866 bp

Locus ID: 22791

UniProt ID: [P54103](#)

Cytogenetics: 5 9.97 cM

Gene Summary: Acts both as a chaperone in the cytosol and as a chromatin regulator in the nucleus. When cytosolic, acts as a molecular chaperone: component of the ribosome-associated complex (RAC), a complex involved in folding or maintaining nascent polypeptides in a folding-competent state. In the RAC complex, stimulates the ATPase activity of the ribosome-associated pool of Hsp70-type chaperones HSPA14 that bind to the nascent polypeptide chain. When nuclear, mediates the switching from polycomb-repressed genes to an active state: specifically recruited at histone H2A ubiquitinated at 'Lys-119' (H2AK119ub), and promotes the displacement of the polycomb PRC1 complex from chromatin, thereby facilitating transcription activation (By similarity). Specifically binds DNA sequence 5'-GTCAAGC-3'. [UniProtKB/Swiss-Prot Function]