

Product datasheet for **MC201824**

Dnajb12 (NM_019965) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dnajb12 (NM_019965) Mouse Untagged Clone
Tag: Tag Free
Symbol: Dnajb12
Synonyms: Dj10; mDj10
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC034162 sequence for NM_019965
 CCGGCCTGCCCGACGCGCCGGCGGCTGGCGCAGCCCTTCGCTCGCCCGCCTCCCCCTCCCTGGTTC
 CGTGCTCGGGTTCGCCATGGAATCCAACAAGGATGAAGCCGAGCGCTGTATCAGCATCGCCCTCAAGGC
 CATCCAAAGCAACCAGCCGAGCGGGCGCTGCGCTTCTGGAGAAGGCGCAGCGCTCTACCCGACGCCA
 CGAGTCAGCGCACTGATCGAGTCCCTCAACCAAAACACAGTCCACCGTGATCACCTCAACCCACAG
 AACTACCATAACCACCAAGAAGGCAGGCGGGACCGAAACCCCTCAGCCAACGCGAGGCAGGAGG
 AGGGGAGAGCGCAAGGGCTATACCTCAGAGCAGGTGGCAGCTGTGAAAAGGGTCAAGCAGTGTAAGAT
 TACTATGAGATCCTTGGGGTAAGCAGAAGTGCCTCAGATGAGGACCTAAAGAAGGCTACCGAAGCTGG
 CCCTCAAGTTCATCCAGACAAGAACCATGCGCTGGGGCCACTGAAGCTTCAAAGCCATTGGCACAGC
 GTATGCCGTACTCAGCAACCCAGAGAAAAGGAAACAGTACGACCAGTTTGGTGATGACAAGACCCAGGCT
 GCCCGGCACGGCCACAGCCACGGGGACTTCCACCGAGGCTTTGAGGCTGACATCTCCCAGAACCTCT
 TTAACATGTTCTTTGGTGGCGGCTTTCCTTCCAGTAACGTTTCATGTCTACAGCAATGGCCGAATGCGGTA
 CACCTACCAGCAGAGGCAAGACCGCAGAGACAACCAGGGTGATGGCGGGCTAGGAGTGTTCTGTCAGCTG
 ATGCCATCCTCATCCTCATCCTCGTGTCTGCGCTCAGCCAGCTCATGGTGTCCAGTCTCCCTACAGCC
 TGAGCCCAGACCGTCACTGGGCCACATCCACAAGCGAGTCACTGACCACCTGAACGTGCGCTACTACGT
 GGCAGACACCTTCTCCGAAGAGTACACGGGCTCCAGCCTCAAACAGTGGAACGGAATGTAGAGGATGAC
 TACATCGCAACCTGCGCAACAACCTGCTGGAAGGAGAAGCAGCAGAGAAGGAAGGCTTGCTGTACCGAGCCC
 GCTACTTTGGTGACACAGACATGTACCACAGAGCACAGAAGATGGGCACCCCGAGTTGCAATCGGCTGTC
 AGAGTGCAGGCCTCCCTGCATGGATAGTTCTGGGCCAGCCACACCAGTCCAAACTATGAAATCC
 CTGGAGAATTTTTGGTGACACACTGAGCCAGCCACAGTGATGGACTGTATTTAAAGGAAAGACATAC
 ACAGAAAAAATTTAAATGGAACCTGGAAGCCAAACACCGCAGCCATCCTCTCAGACAGTGAATGCAG
 AAAGCTCTTAGGACAGACAGACAGACAGCCTACCTCGGGCTGCTTCTCCTCTCCAGGGCAGGCAAGAA
 GCTCCGCATCACTGGCTCCTAGGATACCGAAACCATGGCAACGAAAGTAGAATGTAAAATTGCAGCAAA
 TGTCTGTGGGAAGGACTGGGGAGGGGACACCCACTGTGTCTCCTCCCTCCTCCCTGAGCTGCCACCA
 GTCCTCAAGGAGAAATCAGGCTGAGGCATGGGCCAAGGAACAGAGAGGAGAGAATTCAGAGAACGTAA
 CTTAGAAATGCGTATGTATGTATATATATCTATTTATATGTAATAGACATATATAAAGATATATATA
 TATATATAAAGTCTTTTAAACTAAAAAAAAAAAAAAAAA



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Restriction Sites:	RsrII-NotI
ACCN:	NM_019965
Insert Size:	1131 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:	<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:	BC034162 , AAH34162
RefSeq Size:	1789 bp
RefSeq ORF:	1131 bp
Locus ID:	56709
UniProt ID:	Q9QYI4
Cytogenetics:	10 B4
Gene Summary:	Acts as a co-chaperone with HSPA8/Hsc70; required to promote protein folding and trafficking, prevent aggregation of client proteins, and promote unfolded proteins to endoplasmic reticulum-associated degradation (ERAD) pathway. Acts by determining HSPA8/Hsc70's ATPase and polypeptide-binding activities. Can also act independently of HSPA8/Hsc70: together with DNAJB14, acts as a chaperone that promotes maturation of potassium channels KCND2 and KCNH2 by stabilizing nascent channel subunits and assembling them into tetramers. While stabilization of nascent channel proteins is dependent on HSPA8/Hsc70, the process of oligomerization of channel subunits is independent of HSPA8/Hsc70. When overexpressed, forms membranous structures together with DNAJB14 and HSPA8/Hsc70 within the nucleus; the role of these structures, named DJANGOs, is still unclear.[UniProtKB/Swiss-Prot Function]