

## Product datasheet for **MC200830**

### **Dnajb1 (NM\_018808) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dnajb1 (NM_018808) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dnajb1
Synonyms:	0610007111Rik; DjB1; Hdj1; Hsp; Hsp40; HSPF1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC012962 sequence for NM\_018808  
 CCACGCGTCCGGCGGCGACAGCTGGGCGGCGTGGCCATGGGCAAGGACTACTATCAGACGCTGGGCCTG  
 GCCCGCGGCGGCTCCGACGACGAGATCAAGCGAGCCTACCGCCGACGGCGCTGCGCTACCACCCGGACA  
 AGAACAAAGGAGCCCGGCGCTGAGGAGAAGTTCAAGGAGATCGCCGAGGCCACGACGTGCTCAGCGACCC  
 GCGCAAGCGGAGATTTTCGACCCTATGGAGAGGAAGGCCTGAAGGGTGGTAGCCCCAGTGGAGGAAGC  
 AGTGGTGGTGTCTAATGGTACCTTTTCAGCTACACATTCACGGAGACCCCATGCCATGTTTGTGAGT  
 TCTTCGGTGGCAGAAACCCCTTTGATACCTTTTTGGGCAGCGCAACGGGGAAGAAGGCATGGACATTGA  
 TGACACATTTCTAGCTTTCCAATGGGTATGGGTGGCTTACCAACATGAACTTTGGACGTTCCCGCCCT  
 TCTCAAGAGCCCACCGAAGAAGCAAGATCCTCCAGTACCCATGACCTTCGGGTCTCCCTTGAAGAGA  
 TCTACAGCGGCTGTACCAAGAAGATGAAAATCTCCACAAGCGGCTGAACCCTGATGAAAAGAGCATTGCG  
 AAATGAAGATAAGATCCTGACCATCGAAGTGAAGAGGGGTGAAAAGAAGGGACCAAAATCACCTTTCCC  
 AAGGAAGGGGACCAGACCTCGAACAAACATTCCAGCAGACATCGTCTTTGTTTTAAAGGACAAGCCACACA  
 ATATCTTCAAGAGAGATGGTTCTGATGTCATCTATCCAGCCAGGATTAGCCTTCGGGAGGCTCTCTGTGG  
 TTGCACGTGAATGTCCCTACTCTGGACGGCAGGACCATCCCTGTTGATTCAAAGATGTCATCAGGCCCT  
 GGTATGCGGCGGAAAGTCCCTGGAGAAGGCCTCCCTCTCCCAAAACACCTGAGAAACGTGGAGACCTTG  
 TTATCGAGTTTGAAGTATCTTCCCGAAAGGATTCCCGTCTCATCCAGAACCATCCTGGAGCAGTTCT  
 TCCCATATAGCCACCTGCACTCCTCAAGGACTGAGCCAGGGGCTTTCAGAGCTGCAGATCTCCAGACCGT  
 TCCACTGGTTGCATACTGCGGGAGGGCCAGGGAGGGCTTTTGTCTGCGCAATGTTTTCCACAGAATAT  
 ATTACAATCTTTCAAAGTCGCGCACTAGACTACAGTGGTTTTTCGAGCGATAGGCAGGCGGTGGGAACAG  
 CAGCCCTCCTGGAATGGACCCACCCTCTGCACCCAGCTCCTGCCAAGGGTGTGAGGCAGGCTGCAAC  
 TGGACTCTTGCCCTCTGTGTCCCTAGTCTGGCTGTGATGTGACAGTGGTCCGCCATCTCAGTTGCCAGA  
 CCCTGTGCACTAGTCAGTCTCCACTGTGTGGGAGGTTCTGTTTTATCTGTATTTGTCCCATGCCTTGTT  
 CCTCTCCCGAGAAGAGTCTGTCTTGTCTTGGCCATCTCAAATTGAGACCAATCCCTAGGACTGCCAG  
 GCCAGCATCACAAAGCAATACCTGGTTGCAGGACCACAGGGCCAGCCTCCTTCCAGGTTCTGGGCGCTGGC  
 CAGCCAGGAGATCCCCTGGACCTCTGGCTCCATTGACATCAGATGGCTGGCTTACAGTCACAGTACTTGC  
 TGGTCCAGAGGTAGACCTTGGCCACACCTGGCACTTCTCAGAGGCACAGGTGATTTTGTGTGTGTGTG  
 TGT  
 TGGATTTTGCACAGTCTAGATCTAATCCCTTTTGATAAAAGGGTCTTTGCTTCTGATGAAAGGAGCACT  
 GTGGAACGTATGTAATATGTTTTATAATTCCATTGGAAGCTGGTGTGCACTCAGACGAAAGCAGTCCC  
 TGCAACTACTGTCCAGGCTGTGATGGGATCAGACCTGGGCGTAAAAGTATCTGTTCTTTGGAGCTAGC  
 CTGGTGTCTGACCATTCAACTATTGTAAGTTGCCACTACCAACACAAGACCAAAAGTGTGTGACTTGTC  
 ATTATGCAGTGTGACAGCATTAAAGACTGATGCTAAACCTCAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_018808

**Insert Size:** 1023 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:** [BC012962](#), [AAH12962](#)

**RefSeq Size:** 2162 bp

**RefSeq ORF:** 1023 bp

**Locus ID:** 81489

**UniProt ID:** [Q9QYJ3](#)

**Cytogenetics:** 8 C2

**Gene Summary:** This gene encodes a member of the DnaJ or Hsp40 (heat shock protein 40 kD) family of proteins. The encoded protein is a molecular chaperone that stimulates the ATPase activity of Hsp70 heat-shock proteins in order to promote protein folding and prevent misfolded protein aggregation. The encoded protein may also inhibit apoptosis. Peritoneal macrophages derived from homozygous knockout mice for this gene exhibit impaired heat tolerance. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).