

Product datasheet for **MC207471**

Dnajib9 (NM_013760) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dnajib9 (NM_013760) Mouse Untagged Clone
Tag: Tag Free
Symbol: Dnajib9
Synonyms: AA408011; AA673251; AA673481; AW556981; ERdj4; Mdg1; mDj7
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207471 representing NM_013760
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTACTCCACAGTCAGTTTTTCGTCTTTGCAATCTGCATTTTAAATGATAACAGAATTAATCCTGGCCT
CCAAAAGCTACTATGATATCTTAGGTGTGCCAAAGTCTGCCTCAGAGCGACAAATCAAAAAGCCTTTCA
CAAATTAGCCATGAAGTACCACCCTGACAAAAATAAAAGCCCTGATGCTGAAGCAAAATTCAGAGAGATT
GCAGAAGCGTATGAAACTCTCGGATGCCAATAGTCGGAAGAGTATGACACAATTGGACACAGTGCTT
TTACCAATGGCAAAGGACAAAGAGGCAATGGGAGTCCTTTTGAACAGTCATTTAACTTCAATTTTGTGA
CTTATTTAAAGACTTTAATTTTTTTGGTCAGAACCAAACTCGGTCTAAGAAGCATTTTGAAAACCAC
TTCCACACACGCCAGGATGGTTCTAGTAGACAAAGGCATCACTCCAGGAGTTTTCTTTGGAGGCGGAT
TGTTTGATGATATGTTTGAAGACATGGAGAAAATGTTTTCTTTAGTGGCTTTGATACCACCAATCGACA
CACAGTACAGACTGAAAATAGATTTTCATGGATCTAGCAAGCACTGCAGGACTGTCACTCAACGAAGAGGA
AATATGGTTACTACATACTGATTGTTTCAGGACA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013760
Insert Size: 669 bp



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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:	<u>NM_013760.4</u> , <u>NP_038788.2</u>
RefSeq Size:	1865 bp
RefSeq ORF:	669 bp
Locus ID:	27362
UniProt ID:	<u>Q9QYI6</u>
Cytogenetics:	12 B2
Gene Summary:	Co-chaperone for Hsp70 protein HSPA5/BiP that acts as a key repressor of the ERN1/IRE1-mediated unfolded protein response (UPR) (By similarity). J domain-containing co-chaperones stimulate the ATPase activity of Hsp70 proteins and are required for efficient substrate recognition by Hsp70 proteins (PubMed:11836248). In the unstressed endoplasmic reticulum, interacts with the luminal region of ERN1/IRE1 and selectively recruits HSPA5/BiP: HSPA5/BiP disrupts the dimerization of the active ERN1/IRE1 luminal region, thereby inactivating ERN1/IRE1 (By similarity). Also involved in endoplasmic reticulum-associated degradation (ERAD) of misfolded proteins (PubMed:22267725). Required for survival of B-cell progenitors and normal antibody production (PubMed:25222125).[UniProtKB/Swiss-Prot Function]