

Product datasheet for **MR202557**

Dnajib9 (NM_013760) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnajib9 (NM_013760) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dnajib9
Synonyms:	AA408011; AA673251; AA673481; AW556981; ERdj4; Mdg1; mDj7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202557 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTACTCCACAGTCAGTTTTTCGTCTTTGCAATCTGCATTTTAAATGATAACAGAATTAATCCTGGCCT
CCAAAAGCTACTATGATATCTTAGGTGTGCCAAAGTCTGCCTCAGAGCGACAAATCAAAAAGCCTTTCA
CAAATTAGCCATGAAGTACCACCCTGACAAAAATAAAGCCCTGATGCTGAAGCAAATTCAGAGAGATT
GCAGAAGCGTATGAAACTCTCGGATGCCAATAGTCGAAAGAGTATGACACAATTGGACACAGTGCTT
TTACCAATGGCAAAGGACAAAGAGGCAATGGGAGTCCTTTTGAACAGTCATTTAACTTCAATTTTGATGA
CTATTTAAAGACTTTAATTTTTTTGGTCAGAACCAAAACTCGGTCTAAGAAGCATTTTGAAAACCAC
TTCCACACACGCCAGGATGGTTCTAGTAGACAAAGGCATCACTTCCAGGAGTTTTCTTTGGAGGCGGAT
TGTTTGATGATATGTTTGAAGACATGGAGAAAATGTTTTCTTTAGTGGCTTTGATACCACCAATCGACA
CACAGTACAGACTGAAAATAGATTTTCATGGATCTAGCAAGCACTGCAGGACTGTCACTCAACGAAGAGGA
AATATGGTTACTACATACACTGATTGTTTCAGGACAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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: [NM_013760.4](#), [NP_038788.2](#)

RefSeq Size: 1865 bp

RefSeq ORF: 669 bp

Locus ID: 27362

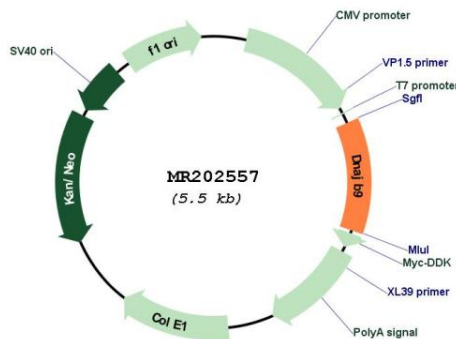
UniProt ID: [Q9QYI6](#)

Cytogenetics: 12 B2

MW: 25.6 kDa

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]

Product images:



Circular map for MR202557