

Product datasheet for MC210103

Dnajib2 (NM_020266) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dnajib2 (NM_020266) Mouse Untagged Clone
Tag: Tag Free
Symbol: Dnajib2
Synonyms: 2700059H22Rik; Dnajib10; Hsj1; mDj8
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210103 representing NM_020266
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCATCCTACTACGAGATTCTAGACGTACCGCGGAGTGGTCCCCTGATGACATCAAGAAGCGGTACC
 GAAAGAAGGCTCTGCAGTGGCACCCAGACAAGAACCCGGATAATAAAGAATTTGCTGAAAAAAAAATTTAA
 GGAGGTGGCAGAGGCCTATGAAGTACTCTGACAGAAGTGGTCTTCTCGATCGAAACTGGTGGTGCC
 GGGCCTGGCTCACATTCACCTTCCGTAGCCCGAGGAAGTCTCCGGGAGTTCTTCGGGAGCGGAGACC
 CTTTTTCAGAGCTCTTTGATGACTTGGGTGTCTTCTCGGAGCTTCAGAACCAGGGTCCCCGACTCACGGG
 CCCTTCTTCACTTTCTTCTTCTTCTTCTGCAACTCCGATTTCTCCTCCTCATCTTTCTCCTCAGC
 CCGGGGCTGGTGTCTTCCGCTCCGTTTCTACGTCCACCACCTTTGTCCAAGGCCCGCATCACACAC
 GCAGAAATCATGGAGAACGGGCAGGAGCGGGTAGAAGTGGAGAGGATGGACAACCTGAAGTCAGTGTCAAT
 CAATGGTGTCCCAGATGACCTGGCACTAGGCTTGGAGCTGAGCCGTCGTGAGCAGCAACCTTCAGTTGCC
 CCTGGGCTGGGGTTCATGCAGTCCGGCCGACCTCTCTCTCGTCCCCCTGACCATGATCTTTCTGAGG
 ATGAGGACCTGCAGCTCGCCATGGCTTACAGCCTGTCAGAGATGGAGCGGCTGGGCAGAAGCCAGCAGA
 TGTGTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_020266
Insert Size: 780 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:	NM_020266.2 , NP_064662.2
RefSeq Size:	1881 bp
RefSeq ORF:	780 bp
Locus ID:	56812
UniProt ID:	Q9QYI5
Cytogenetics:	1 C4
Gene Summary:	<p>Functions as a co-chaperone, regulating the substrate binding and activating the ATPase activity of chaperones of the HSP70/heat shock protein 70 family. In parallel, also contributes to the ubiquitin-dependent proteasomal degradation of misfolded proteins. Thereby, may regulate the aggregation and promote the functional recovery of misfolded proteins like HTT, MC4R, PRKN, RHO and SOD1 and be crucial for many biological processes. Isoform 1 which is localized to the endoplasmic reticulum membranes may specifically function in ER-associated protein degradation of misfolded proteins.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) lacks an alternate in-frame exon and differs in the 3' UTR and coding sequence compared to variant 3. The resulting isoform (1) lacks an internal segment and has a shorter and distinct C-terminus compared to isoform 3.</p>