

Product datasheet for RN200542

Dnajb11 (NM_001015021) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dnajb11 (NM_001015021) Rat Untagged Clone
Tag: Tag Free
Symbol: Dnajb11
Synonyms: LRRGT00084
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN200542 representing NM_001015021
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCCCGAGAACCTGAGCACCTTCTGCCTGTTGCTGTACCTCATTGGGGCTGTGATCGCCGGGC
 GGGATTTCTATAAGATCTTGGGAGTGCCTCGAAGCGCCTCCATAAAGGATTAAGAAGGCCACAGGAA
 ACTGGCCCTGCAGCTTACCCTGACCGGAACCTGACGACCCCAAGCCAGGAGAAATCCAGGATCTG
 GGTGCTGCTTATGAGTTCTGTCAAGATAGTAAAAACGAAACAGTATGATACCTATGGTGAAGAAGGCT
 TAAAAGATGGGCATCAGAGCTCCACGGGGACATTTTTTACACTTCTTCGGAGATTTGGGTTTCATGTT
 TGGAGGAGCCCTCGTCAGCAGGACAGGAATTTCCAAGAGGAAGTGACATCATCGTAGACTAGAAGTC
 ACCTTGGAAAGAGTGACGAGGAACTTTGTGGAAGTAGTTAGAAACAAGCCGTAGCCAGGCAGGCTC
 CTGGCAAACGAAATGCAACTGTCGGCAGGAGATGCGAACACACAGCTGGGACCAGGGCGCTTCCAAT
 GACCCAGGAAGTGGTTTGTGACGAGTGCCTAATGTCAAAGTGAATGAAGAACAACACTAGAAGTG
 GAAATAGAGCCTGGGGTGAAGATGGCATGGAGTACCCCTTTATTGGAGAAGGTGAGCCTCATGTGGATG
 GGGAACCCGAGACTTACGGTTCCGAATCAAAGTTGTCAAGCAGGATATTTGAGAGGAGAGGGGATGA
 CCTGTACAAAAATGTGACTGTCTCACTGGTTGAGGCTCTGGTTGGCTTTGAGATGGACATAACTCACTTG
 GATGGTCAACAAGGTACACATTTCCCGGGACAAGATCACCAGGCCAGGAGCCAAGCTGTGGAAGAAAGGGG
 AAGGACTGCCAACTTTGATAACAACAACATCAAGGGCTCCTTGATAATCACCTTTGATGTGGACTTTCC
 AAAGGAGCAGCTCACAGAGGAAGCAAAGAAGGTATCAAGCAGCTTCTCAAACAAGGGCCAGTGCAGAAG
 GTATAACAAGGCTGCAGGGCTAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001015021



Insert Size:	1077 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:	<u>NM_001015021.1, NP_001015021.1</u>
RefSeq Size:	1933 bp
RefSeq ORF:	1077 bp
Locus ID:	360734
UniProt ID:	<u>Q6TUG0</u>
Cytogenetics:	11q23
Gene Summary:	As a co-chaperone for HSPA5 it is required for proper folding, trafficking or degradation of proteins. Binds directly to both unfolded proteins that are substrates for ERAD and nascent unfolded peptide chains, but dissociates from the HSPA5-unfolded protein complex before folding is completed. May help recruiting HSPA5 and other chaperones to the substrate. Stimulates HSPA5 ATPase activity. It is necessary for maturation and correct trafficking of PKD1.[UniProtKB/Swiss-Prot Function]