

Product datasheet for RN208753

Dnajib6 (NM_001013209) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Dnajib6 (NM_001013209) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Dnajib6
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN208753 representing NM_001013209
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGTGGATTACTATGAAGTGCTGGGCGTGCAGAGACATGCCTCACCTGAGGACATTA AAAAGGCGTATC
 GAAAACAGGCACTCAAATGGCACCCAGACAAAAATCCTGAAAATAAAGAAGAAGCGGAGCGGAAATTCAA
 ACAAGTAGCTGAGGCATATGAAGTGTATCGGATGCTAAAAAGCGGACATCTATGACAAATATGGCAAA
 GAAGGATTAATGGTGGTGGAGGAGGAGGTGGAAGTCATTTTGACAGTCCATTTGAGTTTGCTTCACAT
 TCCGGAACCCAGATGATGTCTTCAGGGAATTTTTGGTGAAGGGACCCATTTTCATTTGACTTCTTTGA
 AGATCCATTTGATGACTTTTTGGAAACCGAAGGGTCCCGAGGAAGTAGAAGCCGAGGTGCTGGCTCC
 TTTTCTCCGCTTCAGTGGATTTCTTCTTTGGAAAGTGGATTTCTGCTTTTGATACAGGCTTTACTC
 CATTCCGGTCACTAGGTCATGGGGTCTCACTTCAATTTCTTCAGCGTCATTTGGCGGCAGTGAATGGG
 CAACTTCAAATCAATATCAACTTCACTAAAATAGTTAATGGCAAAAAATCACTACAAAGAGAATTGTG
 GAGAACGGTCAGGAAAGAGTAGAAGTTGAAGAAGACGGACAGTTAAAGTCCCTGACGATAAATGGTGTGG
 CCGACGAGAACGCCCTTGCAGAAGAATGCCGGCGGAGAGGCCAACCCACACCAGCTCTGGCCCTGGCCC
 GGCCCCAGCACCAGCCCGGGTCCCTCTCAGGCCGACCCCGACCCAGCTCCACCCAGCTCCAGCC
 CAGACTCCAGCCCTTCTGTCAGCACCCGCCACAGAAGCCACCCAGGCCTGCCCAACGGCCAACTTG
 TGTCTAAAAGCAACTGGGAAGATGAAGAGCAGGACAGGCAGCGGGTTCTGGCAACTGTGATGCCCTAT
 GACCTCAGCAGGGCTCAAAGAAGGTGGCAAGAGGAAGAAGCAGAAGCAGAAGAGGACTCGAAGAAGAAG
 AAGTCGACCAAAGGAACCACTAG

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001013209
 Insert Size: 1074 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_001013209.1</u> , <u>NP_001013227.1</u>
RefSeq Size:	2474 bp
RefSeq ORF:	1074 bp
Locus ID:	362293
UniProt ID:	<u>Q6AYU3</u>
Cytogenetics:	4q11
Gene Summary:	Plays an indispensable role in the organization of KRT8/KRT18 filaments. Acts as an endogenous molecular chaperone for neuronal proteins including huntingtin. Suppresses aggregation and toxicity of polyglutamine-containing, aggregation-prone proteins (By similarity). Has a stimulatory effect on the ATPase activity of HSP70 in a dose-dependent and time-dependent manner and hence acts as a co-chaperone of HSP70. Also reduces cellular toxicity and caspase-3 activity (By similarity).[UniProtKB/Swiss-Prot Function]