

Product datasheet for **RR208753**

Dnajib6 (NM_001013209) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnajib6 (NM_001013209) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dnajib6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR208753 representing NM_001013209 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGGATTACTATGAAGTGCTGGCGTGCAGAGACATGCCTCACCTGAGGACATTA AAAAGGCGTATC
GAAAACAGGCACTCAAATGGCACCCAGACAAAAATCCTGAAAATAAAGAAGAAGCGGAGCGGAAATTCAA
ACAAGTAGCTGAGGCATATGAAGTGTATCGGATGCTAAAAGCGGGACATCTATGACAAATATGGCAAA
GAAGGATTAATGGTGGTGGAGGAGGAGGTGGAAGTCATTTTGACAGTCCATTTGAGTTTGGCTTCACAT
TCCGGAACCCAGATGATGTCCTCAGGGAATTTTTGGTGAAGGGACCCATTTTCATTTGACTTCTTTGA
AGATCCATTTGATGACTTTTTTGAAACCGAAGGGTCCCCGAGGAAGTAGAAGCCGAGGTGCTGGCTCC
TTTTTCTCCGCCTTCAGTGGATTTCTTCTTTTGGAAAGTGGATTTCTGCTTTTGATACAGGCTTTACTC
CATTCCGGTCACTAGGTCATGGGGTCTCACTTCAATTTCTCAGCGTCATTTGGCGGCAGTGGAATGGG
CAACTTCAAATCAATATCAACTTCAACTAAAATAGTTAATGGCAAAAAATCACTACAAAGAGAATTGTG
GAGAACGGTCAGGAAAGAGTAGAAGTTGAAGAAGACGGACAGTTAAAGTCCCTGACGATAAATGGTGTGG
CCGACGAGAACGCCCTTGCAGAAGAATGCCGGCGGAGAGGCCAACCCACACCAGCTCTGGCCCTGGCCC
GGCCCCAGCACCAGCCCGGTCCCCTCTCAGGCCGACCCCGACCCAGCTCCCACCCAGCTCCAGCC
CAGACTCCAGCCCTTCTGTCAGCACCCGCCACAGAAGCCACCCAGGCCTGCCCAACGGCCAACTTG
TGTCTAAAAGCAACTGGGAAGATGAAGAGCAGGACAGGCAGCGGTTCTGGCAACTGTGATGCCCTAT
GACCTCAGCAGGGCTCAAAGAAGTGGCAAGAGGAAGAAGCAGAAGCAGAAGAGGACTCGAAGAAGAAG
AAGTCGACCAAAGGGAACCCAC

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ACAAGGATGACGACGATAAGGTTTAA



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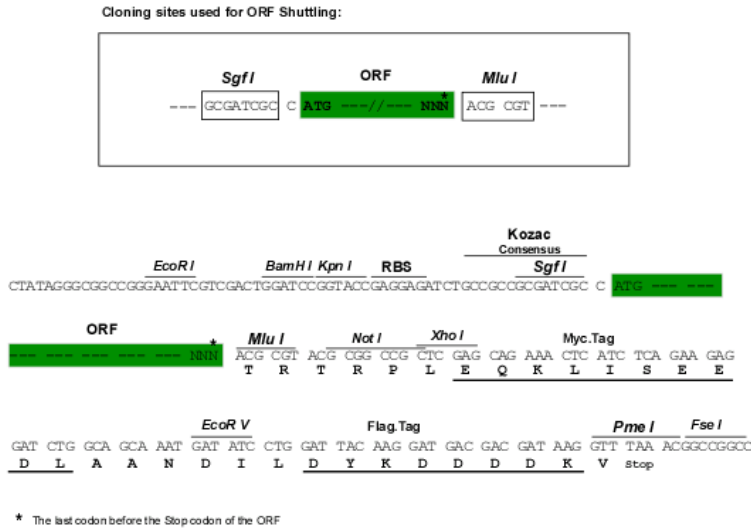
Protein Sequence: >RR208753 representing NM_001013209
Red=Cloning site Green=Tags(s)

MVDYYEVLGVQRHASPEDIKKAYRKQALKWHPDKNPENKEEAERKFKQVAEAYEVLSDAKKRDIYDKYGK
 EGLNNGGGGGGSHFDSPFEFGFTFRNPDDVREFFFGGRDPFSDFDFEDPFDDFFGNRRGPRGSRSRGAGS
 FFSAFSGFSPFGSGFPFDTGFTPFGLGHGGLTSFSSASFGSGMGNFKSISTSTKIVNGKKITTKRIV
 ENQQRVEVEEDGQLKSLTINGVADENALAECCRNRGQPTPALAPGPAPAPARVPSQARPPTPAPTAPA
 QTPAPSVSTRPQKPPRPAPTAKLVSKSNWEDEEQDRQRVPGNCDAPMTSAGLKEGGKRKKQKQKEDSKKK
 KSTKGNH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001013209

ORF Size: 1071 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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_001013209.1](#), [NP_001013227.1](#)

RefSeq Size: 2474 bp

RefSeq ORF: 1074 bp

Locus ID: 362293

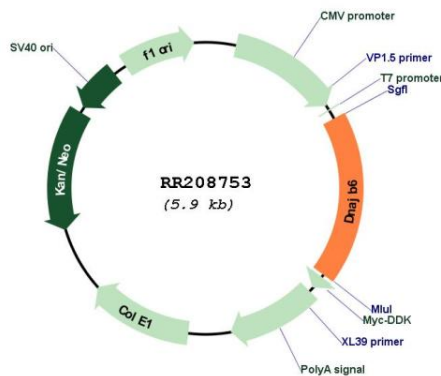
UniProt ID: [Q6AYU3](#)

Cytogenetics: 4q11

MW: 38.9 kDa

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]

Product images:



Circular map for RR208753