

Product datasheet for MR203002

Dnajb3 (NM_008299) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnajb3 (NM_008299) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dnajb3
Synonyms:	Hsj3; MSJ-1; Msj1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203002 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGGACTACTACGAGGTGCTGGGCGTGCCGCGGCAGGCCTCAGCCGAGGCCATCCGCAAGGCGTACC
GCAAGCTTGCCTCAAGTGGCACCCGACAAGAACCCCGAGCACAAGGAGGAGCCGAGAGGCGTTCAA
GCAGGTGGCGCAGGCCTACGAGGTCTTATCGGACGTCCGCAAGCGCGAGGTGTACGACCGCTGCGGCGAA
GTGGGCGAGGTGGGCGGAGGCGGCGGGCAGCCCGTTCCACGATGCCTTCCAGTACGTCTTCTCCT
TCCGAGACCCCGGAGGTCTTACGGAGTTCTTCGGGGCCACGACCCTTCTCCTTCGACTTCTTCGG
GGGAGACCCCTTGAACTTTTTGGGATCGGAGGAGCACCCGTGGAAGCAGAAGCCGAGGGGCTGTA
CCCTTCTACCTCCTTACCGAATCCAGGATTTGGGGTGGCTTCGCTTCGTTAGATACTGGATTCA
CATCCTTCGGTCTCCAGGAACTCGGGCCTTCTTCTTCTCCATGTCTTGCGGCGGTGGGCGGCAGG
CAACTACAAGTCGGTGTCAACCTCCACCGAAATAATTAATGGCAAAAAATCACCACCAAGAGAATCGTT
GAGAATGGTCAAGAAAGGGTGAAGTGAAGAAGATGGAGAGTTAAAGTCCTGATAATTAATGGCAAG
AGCAGCTGCTTCGCATCAATACTCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203002 protein sequence
Red=Cloning site Green=Tags(s)

MVDYYEVLGVPRQASAEAIRKAYRKLALKWHPDKNPEHKEEAERRFKQVAQAYEVLSDVRKREYVDRCGE
 VGEVGGGAAGSPFHDAFQYVFSFRDPAEVFREFFGGHDPFSDFDFGGDPLENFGDRRSTRGSRSRGAV
 PFSTSFTEFPFGGGFASLDTGFTSFGSPGNSGLSSFMSMCGGAAGNYKSVSTSTEIINGKKITTKRIV
 ENGQERVEVEEDGELKSLIINGKEQLLRINTQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_008299

ORF Size: 729 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_008299.3](#), [NP_032325.2](#)

RefSeq Size: 1017 bp

RefSeq ORF: 729 bp

Locus ID: 15504

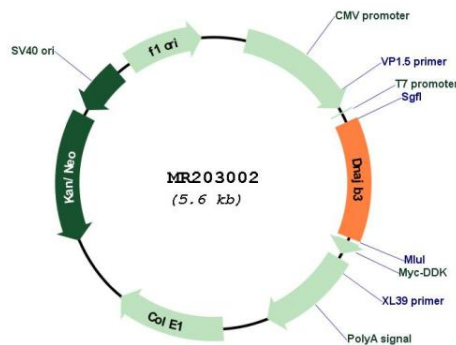
UniProt ID: [O35723](#)

Cytogenetics: 1 D

MW: 26.7 kDa

Gene Summary: May operate as a co-chaperone of the male germ cell- and haploid stage-specific Hsp70 proteins.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203002