

Product datasheet for **RR204070**

Dnajb1 (NM_001108441) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dnajb1 (NM_001108441) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dnajb1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR204070 representing NM_001108441
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGGCAAGGACTACTACCAGACGCTGGGCTGGCCCGGGCGCGTCCGACGACGAGATCAAGCGGGCCT
 ACCGCCGCCAGGCGCTGCGCTACCACCCGGACAAGAACAAGGAGCCCGGCCGAGGAGAAGTTCAAGGA
 GATCGCCGAGGCCTACGACGTGCTCAGCGACCCGCGCAAGCGCGAGATTTTCGACCGCTATGGAGAGGAA
 GGCTGAAGGGTGGTGGCCCAAGTGGCGGAGCAGTGGTGGTGTAAATGGTACCTTTTCAGCTACACAT
 TCCATGGAGACCCTCATGCTATGTTTGGTGTGAGTCTTCGTTGGCAGGAATCCCTTTGATACCTTTTTGG
 GCAGCGCAACGGGAAGAAGGCATGGACATCGATGACCCGTTCTCTAGCTTTCCGATGGGTATGGGCGGC
 TTCACCAATATGAACTTTGGACGTTCCCGCCCTACTCAAGAGCCACCCGGAAGAAGCAAGATCCCCAG
 TCACCCACGACCTTCGGGTCTCCCTTGAAGAGATCTACAGCGGCTGTACCAAGAAGTAAAAATCTCCA
 CAAGCGGCTGAACCTGATGGAAAGAGCATTGAAATGAAGATAAGATCCTGACCATCGAAGTGAAGAGG
 GGCTGAAAGAAGGGACCAAAATCACCTTTCCCAAGGAAGGGACCAGACCTCGAACAACATTCCAGCTG
 ACATCGTCTTTGTTTTAAAGACAAGCCACACAATATCTTCAAGAGAGATGGTTCTGATGTCATTTATCC
 AGCCAGGATTAGCCTTCGGGAGGCTCTCTGTGGTTGCACTGTGAATGTTCTACTCTGGACAAGGCCTCC
 CCCTCCCCAAAACACCTGAGAAACGTGGAGACCTTGTATCGAATTTGAAGTCATCTTCCCTGATAGGAT
 CCCCATCTCATCCAGAACCATCCTGGAGCAGGTTCTCCCATATAGCTGCCTGCATTCTCAAGGACTGA
 GCCAGGGACCTTTCCAGAGCTGCAGATTTCCAGACCGTTCCACTGGTTGCATACTGCGGGAGGGCCAGG
 GAGGGCTTTGCTCTGCCGAATGTTTTCCACAGAATATATTACAATCTTTCAAAGTCGGCAC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204070 representing NM_001108441
 Red=Cloning site Green=Tags(s)

MGKDYQTLGLARGASDDEIKRAYRRQALRYHPDKNKEPGAEEKFKEIAEAYDVLSDPRKREIFDRYGEE
 GLKGGPSSGGSSGGANGTSFSYTFHGDPHAMFAEFFGGRNPFDTFFGQRNGEEMDIDDPFSSFPMGMG
 FTNMFGRSRPTQEPTRKKQDPPVTHDLRVSLLEEIYSGCTKKMKISHKRLNPDGKSIRNEDKILTIEVKR
 GWKEGKTIFFPKEGDQTSNNIPADIVFVLKDKPHNIFKRDGSDVIYPARISLREALCGCTVNVPTLDKAS
 PSPKHLRNVELLSNLKSSSLIGSPSHPEPSWSRFFPYSLHSSRTEPGTFPELQISRPFHWLHTAGGPR
 EGFCSAECFPQNILQSFKVAH

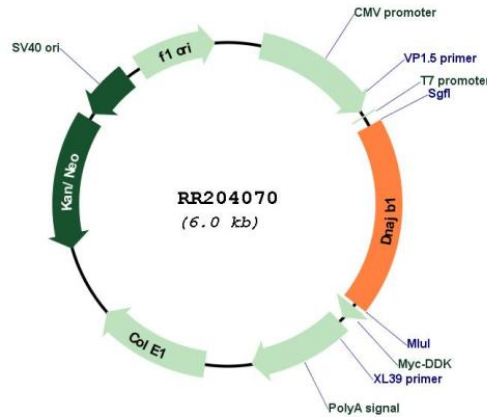
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001108441

ORF Size:	1113 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:	<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_001108441.1 , NP_001101911.1
RefSeq Size:	2177 bp
RefSeq ORF:	1116 bp
Locus ID:	361384
Cytogenetics:	19q11
MW:	41.5 kDa