

Product datasheet for **RR202758**

Dnaja2 (NM_032079) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dnaja2 (NM_032079) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dnaja2
Synonyms: Cpr3; Dj3; DjA2; Dnj3; Hirip4; Rdj2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202758 representing NM_032079
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGAACGTGGCCGACACGAAGCTGTACGACATCCTGGGCGTCCCTCCCGGCCAGCGAGAACGAGC
TGAAGAAGGCATACCGAAAGTTAGCAAAGAATACCATCCTGATAAGAATCCAAATGCTGGAGATAAATT
TAAAGAAATAAGTTTTGCCTATGAAGTATTGTCAAATCCAGAGAAGCGGGAGCTATATGACAGATATGGA
GAACAAGGTCTACGGGAAGGCAGCGGGGGTGGCGGCATGGATGATATTTTCTCACATATTTTGGTG
GAGGATTTTGGCTTCATGGGCAATCAAAGTAGAAGTCGAAATGGCAGAAGAAGAGGCGAGGACATGAT
GCATCCGCTGAAAGTGTCTTTAGAAGACCTGTACAATGGCAAGACCACCAAGCTGCAGCTCAGCAAGAAT
GTGCTCTGTAGCGGTGCAGTGGCCAAGGTGAAAGTCTGGAGCTGTTTACAGAAATGCAGTGTGTCGGG
GTCGAGGTGTGCGCATTATGATAAGACAGCTGGCTCCAGGGATGGTACAGCAGATGCAGTCTGTGTGCTC
TGACTGTAATGGAGAAGGAGAGGTCATCAATGAAAAAGACCGCTGTAATAAATGTGAAGGAAAGAAGTG
ATTAAGAAGTCAAGATTCTGGAAGTTCATGTAGACAAAGGCATGAAACATGGACAGAGAATTACGTTCA
CTGGGGAAGCAGACCAGGCTCCAGGAGTGAACCTGGAGATATTGTTCTTTTGTACAGGAAAAAGAACA
TGAGGTGTTCCAGAGAGATGGGAATGATCTGCATATGACATATAAGATAGGACTTGTGTAAGCTTTGTGT
GGATTTACAGTTCACATTTAAACATCTTGATGCTCGTCAGATTGTAGTGAATACCCCTGGCAAAGTAA
TTGAACAGGATGTGTTGTTGTTGTCGAGGCGAAGGAATGCCACAGTATCGTAATCCCTTTGAAAAGGG
TGATCTTTACATAAAGTTTGTGTCAGTTCCTGAAAACAACTGGATCAACCCAGACAACTTTCTGAA
TTAGAAGACCTCTGCCATCTAGACCAGAAGTTCCTAATGTAATTGGGGAGACAGAAGAAGTAGAGCTTC
AGGAATTCGATAGCACTCGAGGCTCTGGAGGTGGTACAGAGCGTGAAGCCTACAACGACAGCTCTGATGA
GAAAGCAGCAGCCATCATGGACCTGGAGTGCAGTGTGCCATCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR202758 representing NM_032079
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MANVADTKLYDILGVPPGASENELKKAYRKLAKHEYHPDKNPAGDKFKEISFAYEVL SNPEKREL YDRYG
 EQGLREGSGGGGGMDDIFSHIFGGGLFGFMGNQSRSRNGRRRGGEDMMHPLKVSLEDLYNGKTTKLQLSKN
 VLCSACSGQGKSGAVQKCSACRGRGVRIMIRQLAPGMVQMQSVCSDCNGEGEVINEKDRCKKCEGKKV
 IKEVKILEVHVDKGMKHGQRITFTGEADQAPGVEPGDIVLLLQEKEHEVFQRDGNLDHMTYKIGLVEALC
 GFQFTFKHL DARQIVVKYPPGKVI EPGCVRVVRGEGMPQYRNPF EKGDLYIKFDVQFPENNW INPKLSE
 LEDLLPSRPEVPNVIGETEEVELQF DSTRGSGGQRREAYNDSSDEESSSHHGPGVQCAHQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

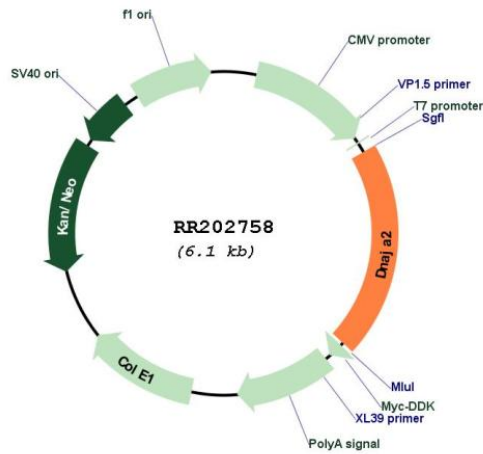
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_032079

ORF Size:	1236 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_032079.2 , NP_114468.2
RefSeq Size:	1908 bp
RefSeq ORF:	1239 bp
Locus ID:	84026
Cytogenetics:	19p11
MW:	45.7 kDa
Gene Summary:	undergoes post-translational protein farnesylation by CAAX farnesyltransferase [RGD, Feb 2006]