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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

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>RR202758 representing NM_032079
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGAACGTGGCCGACACGAAGCTGTACGACATCCTGGGCGTCCCTCCCGGCGCCAGCGAGAACGAGC
TGAAGAAGGCATACCGAAAGTTAGCCAAAGAATACCATCCTGATAAGAATCCAAATGCTGGAGATAAATT
TAAAGAAATAAGTTTTGCCTATGAAGTATTGTCAAATCCAGAGAAGCGGGAGCTATATGACAGATATGGA
GAACAAGGTCTACGGGAAGGCAGCGGCGGGGGTGGCGGCATGGATGATATTTTCTCACATATTTTTGGTG
GAGGATTGTTTGGCTTCATGGGCAATCAAAGTAGAAGTCGAAATGGCAGAAGAAGAGGCGAGGACATGAT
GCATCCGCTGAAAGTGTCTTTAGAAGACCTGTACAATGGCAAGACCACCAAGCTGCAGCTCAGCAAGAAT
GTGCTCTGTAGCGCGTGCAGTGGCCAAGGTGGAAAGTCTGGAGCTGTTCAGAAATGCAGTGCTTGCCGGG
GTCGAGGTGTGCGCATTATGATAAGACAGCTGGCTCCAGGGATGGTACAGCAGATGCAGTCTGTGTGCTC
TGACTGTAATGGAGAAGGAGAGGTCATCAATGAAAAAGACCGCTGTAAAAAATGTGAAGGAAAGAAGGTG
ATTAAAGAAGTCAAGATTCTGGAAGTTCATGTAGACAAAGGCATGAAACATGGACAGAGAATTACGTTCA
CTGGGGAAGCAGACCAGGCTCCAGGAGTGGAACCTGGAGATATTGTTCTTTTGCTACAGGAAAAAGAACA
TGAGGTGTTCCAGAGAGATGGGAATGATCTGCATATGACATATAAGATAGGACTTGTTGAAGCTTTGTGT
GGATTTCAGTTCACATTTAAACATCTTGATGCTCGTCAGATTGTAGTGAAATACCCCCCTGGCAAAGTAA
TTGAACCAGGATGTGTTCGTGTTGTTCGAGGCGAAGGAATGCCACAGTATCGTAATCCCTTTGAAAAGGG
TGATCTTTACATAAAGTTTGATGTGCAGTTTCCTGAAAACAACTGGATCAACCCAGACAAACTTTCTGAA
TTAGAAGACCTCCTGCCATCTAGACCAGAAGTTCCTAATGTAATTGGGGAGACAGAAGAAGTAGAGCTTC
AGGAATTCGATAGCACTCGAGGCTCTGGAGGTGGTCAGAGGCGTGAAGCCTACAACGACAGCTCTGATGA
GGAAAGCAGCAGCCATCATGGACCTGGAGTGCAGTGTGCCCATCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Protein Sequence:

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>RR202758 representing NM_032079
Red=Cloning site Green=Tags(s)

MANVADTKLYDILGVPPGASENELKKAYRKLAKEYHPDKNPNAGDKFKEISFAYEVLSNPEKRELYDRYG
EQGLREGSGGGGGMDDIFSHIFGGGLFGFMGNQSRSRNGRRRGEDMMHPLKVSLEDLYNGKTTKLQLSKN
VLCSACSGQGGKSGAVQKCSACRGRGVRIMIRQLAPGMVQQMQSVCSDCNGEGEVINEKDRCKKCEGKKV
IKEVKILEVHVDKGMKHGQRITFTGEADQAPGVEPGDIVLLLQEKEHEVFQRDGNDLHMTYKIGLVEALC
GFQFTFKHLDARQIVVKYPPGKVIEPGCVRVVRGEGMPQYRNPFEKGDLYIKFDVQFPENNWINPDKLSE
LEDLLPSRPEVPNVIGETEEVELQEFDSTRGSGGGQRREAYNDSSDEESSSHHGPGVQCAHQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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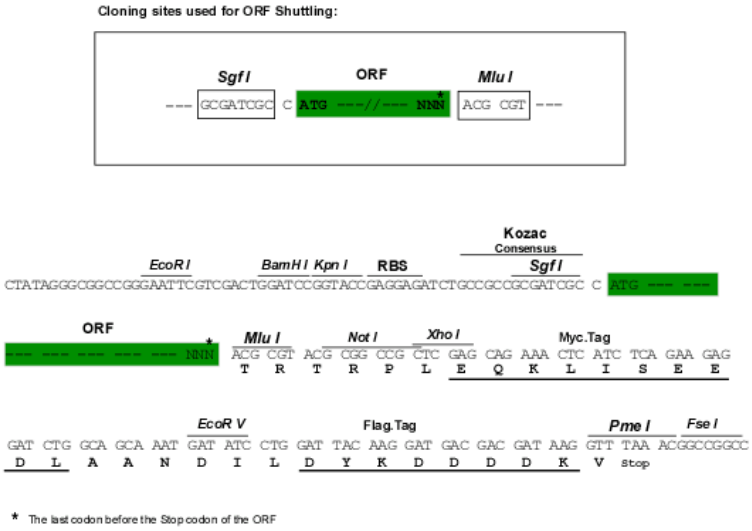
Restriction Sites: SgfI-MluI

Cloning Scheme:



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).

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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_032079.2, NP_114468.2

RefSeq Size: 1908 bp

RefSeq ORF: 1239 bp

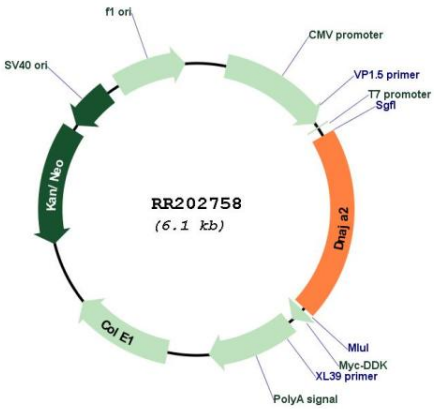
Locus ID: 84026

Cytogenetics: 19p11

MW: 45.7 kDa

Gene Summary: undergoes post-translational protein farnesylation by CAAX farnesyltransferase [RGD, Feb 2006]

Product images:



Circular map for RR202758

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