

Product datasheet for MR227146

Dnajb11 (NM_026400) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnajb11 (NM_026400) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dnajb11
Synonyms:	1810031F23Rik; ABBP-2; AL024055; Dj9; ERdj3; ERj3p
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR227146 representing NM_026400 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCCGAGAACCTGAGCACCTTCTGCCTGTTGCTGCTGTACCTCATCGGGACTGTGATCGCCGGC
GAGATTTCTATAAGATCTTGGGGTGCCTCGAAGTGCCTCCATAAAGGACATTAAGGCGCTACAGGAA
ACTGGCCCTGCAGCTCCACCCTGACCGAACCTGATGACCCCAAGCCAGGAGAAATCCAGGATCTA
GGTCTGCTTATGAGGTTCTGTAGATAGTAAAAACGAAACAGTACGATACTTACGGTGAAGAAGGCT
TAAAAGATGGCCATCAGAGCTCTCATGGGACATTTTTTACACTTCTTTGGAGACTTTGGCTTCATGTT
TGGAGGAACCCCTCGTCAGCAGGACAGGAATATCCAAGAGGAAGTGATATCATCGTAGACTAGAAAGTC
ACTCTGGAAGAAGTGACGACGAAATTTGTGGAAGTAGTTAGAAACAAGCCTGTGGCCAGGCAGGCTC
CTGGCAAACGAAATGCAACTGTGCGCAAGAGATGAGAACCACACAGCTGGGACCGGGACGCTTCCAAAT
GACCCAGGAAGTGGTTTGTGACGAGTGCCTAATGTCAAATTAGTGAATGAAGAACGAACTAGAAAGTG
GAAATAGAGCCTGGGTGCGAGATGGCATGGAGTACCCCTTTATTGGAGAAGGTGAGCCGATGTGGATG
GGGAACCCGAGACTTACGGTCCGAATCAAAGTTGTCAAGCACCAGGATATTTGAGAGGAGAGGGGATGA
CCTGTACAAAAATGTGACCGTCTCACTGGTTGAGGCTCTGGTTGGCTTTGAGATGGACATAACTCACCTG
GATGGTCAAAAGTCCATATTTCCGGGACAAGATCACCAGGCCAGCAAGCTGTGGAAGAAAGGGG
AAGGGCTGCCAACTTTGATAACAATAACATCAAGGGCTCTTTGATAATCACTTTTGATGTGGACTTCC
AAAAGAACAGCTGACAGAGGAAGCAAAAGAAGGTATCAAGCAGCTTCTCAAACAAGGCCCGTGCAGAAG
GTGTACAACGGGCTGCAGGGCTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR227146 representing NM_026400
Red=Cloning site Green=Tags(s)

MAPQNLSTFCLLLLYLIGTVIAGRDFYKILGVPRASIKDIKKAYRKLALQLHPDRNPDDPQAQEKFQDL
 GAAYEVLSDSEKRKQYDTYGEGLKDGHQSSHGDIFSHFFGDFGFMFGGTTPRQQRNIPRGSDIIVDLEV
 TLEEVYAGNFVEVVRNKPVARQAPGKRKCNCRQEMRTTQLGPRGFQMTQEVVCEPCNVKLVNEERTLEV
 EIEPGVRDGMETPFIEGEGPHVDGEPGLRFRIKVVKHRIFERRGDDLNTVTVSLVEALVGFEMDITHL
 DGHKVVHISRDKITRPGAKLWKKGEGLPNFDNNNIKGSLIITFDVDFPKEQLTEEAKEGIKQLLKKQGPVQK
 VYNGLQGY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9031_b05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026400

ORF Size: 1074 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_026400.5](#), [NP_080676.3](#)

RefSeq Size: 2534 bp

RefSeq ORF: 1077 bp

Locus ID: 67838

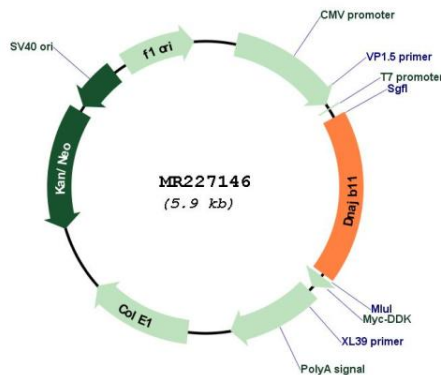
UniProt ID: [Q99KV1](#)

Cytogenetics: 16 B1

MW: 41 kDa

Gene Summary: As a co-chaperone for HSPA5 it is required for proper folding, trafficking or degradation of proteins. Binds directly to both unfolded proteins that are substrates for ERAD and nascent unfolded peptide chains, but dissociates from the HSPA5-unfolded protein complex before folding is completed. May help recruiting HSPA5 and other chaperones to the substrate. Stimulates HSPA5 ATPase activity. It is necessary for maturation and correct trafficking of PKD1.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227146