

Product datasheet for **MG227150**

Dnajb11 (NM_001190804) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dnajb11 (NM_001190804) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Dnajb11
Synonyms: 1810031F23Rik; ABBP-2; AL024055; Dj9; ERdj3; ERj3p
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG227150 representing NM_001190804
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCCCGAGAACCTGAGCACCTTCTGCCTGTTGCTGCTGTACCTCATCGGGACTGTGATCGCCGGC
 GAGATTTCTATAAGATCTTGGGGTGCCTCGAAGTGCCTCCATAAAGGACATTAAGGCTACAGGAA
 ACTAGCCCTGCAGCTCCACCCTGACCGGAACCCTGATGACCCCAAGCCAGGAGAAATCCAGGATCTA
 GGTGCTGCTTATGAGGTTCTGTAGATAGTAAAAACGAAACAGTACGATGCTTACGGTGAAGAAGGCT
 TAAAAGATGGCCATCAGAGCTCTCATGGGGACATTTTTTACACTTCTTTGGAGACTTTGGCTTCATGTT
 TGGAGGAACCCCTCGTCAGCAGGACAGGAATATCCAAGAGGAAGTGATATCATCGTAGACTAGAAAGTC
 ACTCTGGAAGAAGTGTACGACGAAATTTGTGGAAGTAGTTAGAAACAAGCCTGTGGCCAGGCAGGCTC
 CTGGCAAACGAAATGCAACTGTGCGCAAGAGATGAGAACCACACAGCTGGGACCGGGACGTTCCAAAT
 GACCCAGGAAGTGGTTTGTGACGAGTGCCTAATGTCAAATTAGTGAATGAAGAACGAACTAGAAAGTG
 GAAATAGAGCCTGGGGTGCAGATGGCATGGAGTACCCCTTTATTGGAGAAGGTGAGCCGCATGTGGATG
 GGAACCCGAGACTTACGGTCCGAATCAAAGTTGTCAAGCACCAGGATATTTGAGAGGAGAGGGGATGA
 CCTGTACAAAAATGTGACCGTCTCACTGGTTGAGGCTCTGGTTGGCTTTGAGATGGACATAACTCACCTG
 GATGGTCAAGGTCCATATTTCCGGGACAAGATCACCAGGCCAGGCAAGCTGTGGAAAGAAAGGGG
 AAGGGCTGCCCAACTTTGATAACAATAACATCAAGGGCTCTTTGATAATCACTTTTGATGTGACTTTCC
 AAAAGAACAGCTGACAGAGGAAGCAAAAGAAGGTATCAAGCAGCTTCTCAAACAAGGCCCGTGCAGAAG
 GTGTACAACGGGCTGCAGGGCTAT

ACCGTACCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG227150 representing NM_001190804
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MAPQNLSTFCLLLLYLIGTVIAGRDFYKILGVPRASIKDIKKAYRKLALQLHPDRNPDDPQAQEKFQDL
 GAAAYEVLSDSEKRKQYDAYGEEGLKDGHQSSHGDIFSHFFGDFGFMFGGTTPRQQDRNIPRGSDIIVDLEV
 TLEEVYAGNFVEVVRNKPVARQAPGKRKCNCRQEMRTTQLGPRGFQMTQEVVVCDECPNVKLVNEERTLEV
 EIEPGVRDGMETPFIEGEGPHVDGEPGLRFRIKVVKHRIFERRGDDLTYNVTVSLVEALVGFEMDITHL
 DGHKVVHISRDKITRPGAKLWKKGEGLPNFDNNNIKGSLIITFDVDFPKEQLTEEAKGQIKQLLKQGPVQK
 VYNGLQGY

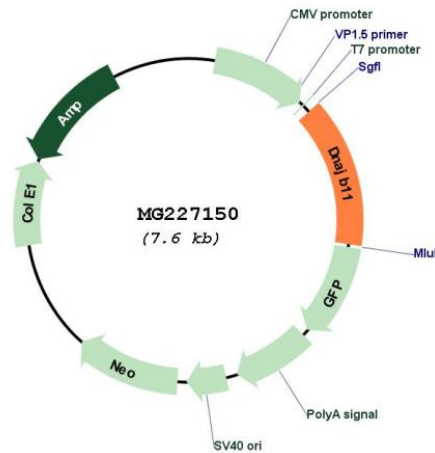
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001190804

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:	<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_001190804.1 , NP_001177733.1
RefSeq Size:	2004 bp
RefSeq ORF:	1077 bp
Locus ID:	67838
UniProt ID:	Q99KV1
Cytogenetics:	16 B1
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]