

Product datasheet for **RG201081**

DNAJB2 (NM_006736) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAJB2 (NM_006736) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DNAJB2
Synonyms:	CMT2T; DSMA5; HSJ-1; HSJ1; HSPF3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201081 representing NM_006736 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCATCCTACTACGAGATCCTAGACGTGCCGCGAAGTGCGTCCGCTGATGACATCAAGAAGGCGTATC
GGCGCAAGGCTCTCCAGTGGCACCCAGACAAAAACCCAGATAATAAAGAGTTTGCTGAGAAGAAATTTAA
GGAGGTGGCCGAGGCATATGAAGTGCTGTCTGACAAGCACAAGCGGGAGATTTACGACCGCTATGGCCGG
GAAGGGCTGACAGGGACAGGAAGTGGCCATCTCGGGCAGAAGCTGGCAGTGGTGGGCTGGCTTACCT
TCACCTTCCGAGCCCGAGGAGTCTTCCGGGAATTCCTTGGGAGTGGAGACCTTTTGCAGAGCTCTT
TGATGACCTGGGCCCTTCTCAGAGCTTCAAGACCGGGTTCCCGACACTCAGGCCCTTCTTTACCTTC
TCTTCTCCTTCCCTGGGCACTCCGATTTCTCCTCCTCATCTTTCTCCTCAGTCCCTGGGCTGGTCTT
TTGCTCTGTTTCTACATCTACCACCTTTGTCCAAGGACGCCGATCACCACACGCAGAATCATGGAGAA
CGGGCAGGAGCGGGTGAAGTGGAGGAGGATGGGAGCTGAAGTCAGTCAATCAATGGTGTCCAGAT
GACCTGGCACTGGGCTTGGAGCTGAGCCGTGCGGAGCAGCAGCCGTGAGTCACTTCCAGGTCTGGGGCA
CTCAGGTCCAGCAGACCCTGCCTCATGCCCTTGGACAGCGACCTCTCTGAGGATGAGGACCTGCAGT
GGCCATGGCCTACAGCTGTGAGAGTGGAGGCAGCTGGGAAGAAACCCGAGGTGGGCGGGAGGCACAG
CACCGACGGCAGGGCGGCCAAAGGCCACCAAGATCCAGGCTTGGGGGGACCCAGGAGGGTGCGA
GGGTGAAGCAACCAACGCAGTCCATCCCAGAGGAGAAGGCCCTCTCGTGCCTCATCCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201081 representing NM_006736
Red=Cloning site Green=Tags(s)

MASYEILDVPRASADDIKKAYRRKALQWHPDKNPDNKEFAEKKFKEVAEAYEVLSDKHKREIYDRYGR
 EGLTGTGTGPSRAEAGSGGPGFTFFRSPEEVFREFFGSGDPPAELFDDLGPFSELQNRGSRHSGPFFTF
 SSSFPGHSDFFSSSFSPGAGAFRSVSTSTTFVQRRITTRRIMENGQERVEVEEDGQLKSVTINGVPD
 DLALGLELSRREQQPSVTSRSGGTQVQQTTPASCPDSDLSEDEDLQLAMAYSLSEMEAAGKKPAGGREAQ
 HRRQGRPKAQHQDPGLGGTQEGARGEATKRSPSPEEKASRCLIL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006736

ORF Size: 972 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_006736.6](#)

RefSeq Size: 3129 bp

RefSeq ORF: 975 bp

Locus ID: 3300

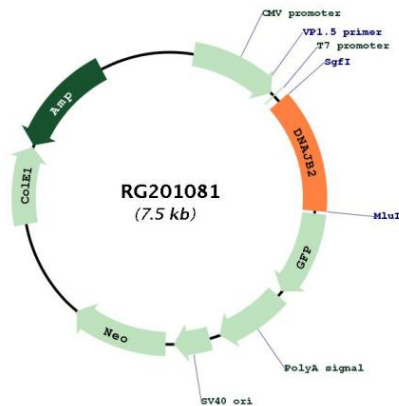
UniProt ID: [P25686](#)

Cytogenetics: 2q35

Domains: DnaJ, UIM

Gene Summary: This gene is almost exclusively expressed in the brain, mainly in the neuronal layers. It encodes a protein that shows sequence similarity to bacterial DnaJ protein and the yeast homologs. In bacteria, this protein is implicated in protein folding and protein complex dissociation. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2011]

Product images:



Circular map for RG201081