

## Product datasheet for SC315992

### DNAJB2 (NM\_006736) Human Untagged Clone

#### Product data:

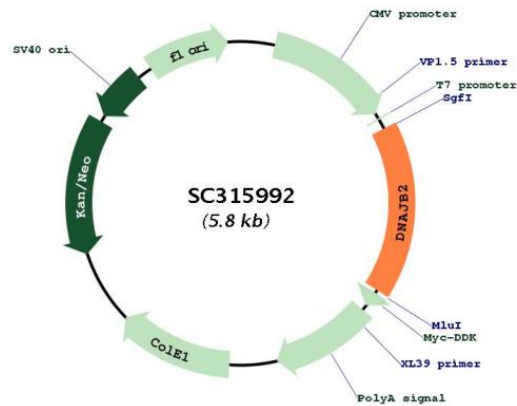
Product Type:	Expression Plasmids
Product Name:	DNAJB2 (NM_006736) Human Untagged Clone
Tag:	Tag Free
Symbol:	DNAJB2
Synonyms:	CMT2T; DSMA5; HSJ-1; HSJ1; HSPF3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315992 representing NM_006736. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCATCCTACTACGAGATCCTAGACGTGCCGGAAGTGCCTCCGCTGATGACATCAAGAAGGCGTAT
CGGCGCAAGGCTCTCCAGTGGCAGCCAGACAAAACCCAGATAATAAAGAGTTTGTGAGAAGAAATTT
AAGGAGGTGGCCGAGGCATATGAAGTGTCTGTGACAAGCACAAGCGGGAGATTTACGACCGCTATGGC
CGGAAGGGCTGACAGGGACAGGAAGTGGCCCATCTCGGGCAGAAGCTGGCAGTGGTGGGCTGGCTTC
ACCTTCACCTTCCGAGCCCGAGGAGTCTTCCGGGAATTCCTTGGGAGTGGAGACCCTTTTGCAGAG
CTCTTTGATGACCTGGGCCCTTCTCAGAGCTTCAAGACCGGGTCCCGACACTCAGGCCCTTCTTT
ACCTTCTCTTCCCTTCCCTGGGCACTCCGATTTCTCCTCCTCATCTTTCTCCTCAGTCTGGGGCT
GGTGTCTTTTGGCTCTGTTTCTACATCTACCACCTTTGTCCAAGGACGCCGATCACCACACGCAGAATC
ATGGAGAACGGGCAGGAGCGGGTGAAGTGGAGGAGGATGGGCAGCTGAAGTCAGTCACAATCAATGGT
GTCCCAGATGACCTGGCACTGGGCTTGGAGCTGAGCCGTGCGAGCAGCAGCCGTGAGTCACTTCCAGG
TCTGGGGCACTCAGGTCCAGCAGACCCCTGCCTCATGCCCTTGGACAGCGACCTCTCTGAGGATGAG
GACCTGCAGCTGGCCATGGCCTACAGCCTGTGAGAGATGGAGGCAGCTGGGAAGAAACCCGAGGTGGG
CGGGAGGCACAGCACCGACGGCAGGGGGCGGCCAAGGCCACGACCAAGATCCAGGCTTGGGGGGGACC
CAGGAGGTGCGAGGGGTGAAGCAACCAACGCAGTCCATCCCCAGGAGGAAGGCCCTCTCGCTGCCTC
ATCCTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_006736

**Insert Size:** 975 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_006736.5](#)

**RefSeq Size:** 3129 bp

**RefSeq ORF:** 975 bp

**Locus ID:** 3300

UniProt ID: [P25686](#)

Cytogenetics: 2q35

Domains: DnaJ, UIM

MW: 35.6 kDa

**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]  
Transcript Variant: This variant (2) is alternatively spliced at the 3' end compared to variant 1. This results in a longer isoform (b) with a distinct C-terminus compared to isoform a.