

Product datasheet for **SC321951**

DNAJB12 (NM_001002762) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAJB12 (NM_001002762) Human Untagged Clone
Tag:	Tag Free
Symbol:	DNAJB12
Synonyms:	DJ10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001002762.1
 CCGCGTTCTGGTCCGCCATGGAATCCAACAAGGATGAAGCTGAGCGCTGTATCAGCATC
 GCCCTCAAGGCCATCCAGAGCAACCAGCCCGACCGGGCGCTCCGTTCTCTGGAGAAGGCA
 CAGCGGCTGTATCCGACGCCGCGAGTTCGCGCCCTGATTGAGTCCCTCAACCAGAAACCA
 CAGACTGCCGGTGACCAACCCCCACCCACAGACACAACCCATGCCACCCACAGGAAAGCA
 GGTGGGACCGATGCCCCCTCGGCCAACGGTGAAGCTGGAGGAGAGACACCAAAGGCTAC
 ACTGCAGAACAGGTTGCAGCTGTGAAAAGGGTCAAGCAATGTAAGATTACTATGAGATC
 CTGGGGGTGAGCAGAGGGCCCTCGGATGAGGACCTGAAGAAGGCCCTACCGCAGACTGGCC
 CTCAAATTCCACCCAGACAAGAACCACGCACCTGGTGCCACTGAAGCCTTCAAAGCCATT
 GGCACAGCATATGCGGTA CT CAGCAACCCGGAGAAGAGGAAGCAGTATGACCAGTTCCGGC
 GATGACAAGAGCCAGGCGGCCCGCACGGCCATGGGCATGGGGATTTCCACCGTGGCTTT
 GAGGCCGACATCTCCCCTGAAGACCTCTCAACATGTTCTTTGGCGGGGCTTCCCTTCT
 AGTAACGTCCACGTCTACAGCAACGGCCGATGCGCTATACCTACCAGCAAAGGCAGGAC
 CGCAGGGACAACCAGGTGATGGCGGGCTAGGGGTGTTTGTGCAGCTGATGCCTATCCTC
 ATCCTGATTCTCGTGT CAGCTCTCAGCCAGCTCATGGTCTCCAGTCCACCCTACAGTCTG
 AGTCCAAGACCGTCCGTGGGCCACATCCACAGGCGAGTCACTGACCACCTGGGTGTGCTC
 TACTATGTGGGAGACACTTTCTCCGAAGAGTACACAGGCTCCAGCCTCAAACAGTCCGAG
 CGGAATGTGGAAGATGATTATATCGCCAACCTCCGGAACAACCTGCTGGAAGGAGAAGCAG
 CAGAAGGAAGGCTTGCTGTACCGGGCACGCTACTTTGGCGACACAGATATGTACCACAGA
 GCACAGAAGATGGGCACCCCCAGCTGCAGCCGACTGTCAGAGGTGCAGGCCTCCCTGCAT
 GGATAGTCTGGGCCAGCCACACCAGGTC CAAACTATGAAATCCCTGGAGAATTTT
 TGGTGACATGCACTGAGCCAAGGTGATGGACTGTATATTTGAGGAAAGACAAACAAGAA
 ACAAATTAATAATGGAATTGGAGGCCGAAACGCTGCACAGCTGCCCTCTCTCACCAGT
 AAATGCAGAAAGCTCTTAGGACAGACAGAAAACCTGCCATGGGGCTGCTTCCCTCCCTCG
 CAGGGCTGGCGGAGGCTCCGCATCGCCTCTCTCCTAGGATACAGAAACCATGGCAACGAA
 AGTAGAATGTAATACTCGCAGCAGATATCAGTGGGAAGGGCTGGGGGAGGGGGCACCCAG
 CTGCCCTTCTCCCTCACAGGAGCCACCACCAGCCACCTCTCAGGAGAAGCCAGAGGCC
 TGGCCAAAGATAGGAGGAAGAAAGAGA ACTCTCCATAGAATGTAATTTATAGATGCGTGT
 ATATGTATATATCTATTTATATGTAATAGGCATATATGAAGATATATATATATATAG
 TCTACTTTTTAACTCTGCAGGGATTTGGTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_001002762
- 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_001002762.1](#), [NP_001002762.1](#)

RefSeq Size: 4342 bp

RefSeq ORF: 1128 bp

Locus ID: 54788

UniProt ID: [Q9NXW2](#)

Cytogenetics: 10q22.1

Protein Families: Transmembrane

Gene Summary: DNAJB12 belongs to the evolutionarily conserved DNAJ/HSP40 family of proteins, which regulate molecular chaperone activity by stimulating ATPase activity. DNAJ proteins may have up to 3 distinct domains: a conserved 70-amino acid J domain, usually at the N terminus; a glycine/phenylalanine (G/F)-rich region; and a cysteine-rich domain containing 4 motifs resembling a zinc finger domain (Ohtsuka and Hata, 2000 [PubMed 11147971]).[supplied by OMIM, Mar 2008]

Transcript Variant: This variant (1) represents the longer transcript. Variants 1, 2 and 4 encode the same protein. CCDS Note: The coding region has been updated to shorten the N-terminus to one that is more supported by conservation.