

## Product datasheet for **SC327833**

### DNAJB12 (NM\_017626) Human Untagged Clone

#### Product data:

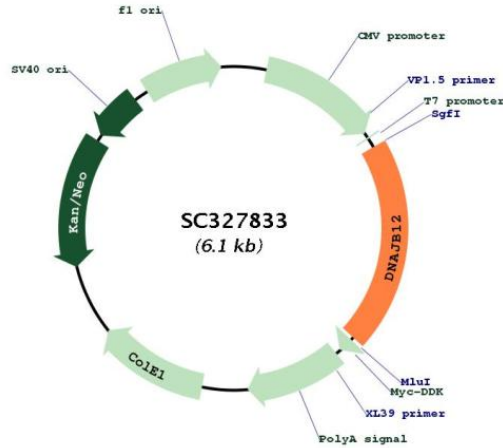
Product Type:	Expression Plasmids
Product Name:	DNAJB12 (NM_017626) Human Untagged Clone
Tag:	Tag Free
Symbol:	DNAJB12
Synonyms:	DJ10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC327833 representing NM_017626. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTCATCACTCCGCGCCGGCTGCCGCGACGCGCCGGCGGGTGGCGCAGCCCTTCGCTCGCCCGCC
TCCCCCTCCCTGGTTCGCGTTCGTTCCGCCATGGAATCCAACAAGGATGAAGCTGAGCGCTGTATC
AGCATCGCCCTCAAGGCCATCCAGAGCAACCAGCCCGACCGGGCGCTCCGCTTCTGGAGAAGGCACAG
CGGCTGTATCCGACGCGCGAGTTCGCGCCCTGATTGAGTCCCTCAACCAGAAACCACAGACTGCCGGT
GACCAACCCACCCACAGACACAACCCATGCCACCCACAGGAAAGCAGGTGGGACCGATGCCCCCTCG
GCCAACGGTGAAGCTGGAGGAGAGACCAAAGGCTACACTGCAGAACAGGTTGCAGCTGTGAAAAGG
GTCAAGCAATGTAAGATTACTATGAGATCCTGGGGGTGAGCAGAGGGGCTCGGATGAGGACCTGAAG
AAGGCCTACCGCAGACTGGCCCTCAAATTCACCCAGACAAGAACCACGCACCTGGTGCCACTGAAGCC
TTCAAAGCCATTGGCACAGCATATGCGGTACTCAGCAACCCGGAGAAGAGGAAGCAGTATGACCAGTTC
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TACAGCAACGGCCGATGCGCTATACCTACCAGCAAAGGCAGGACCGCAGGGACAACCAGGGTGTGGC
GGGCTAGGGGTGTTTGTGCAGCTGATGCCTATCCTCATCTGATTCTCGTGTGAGCTCTCAGCCAGCTC
ATGGTCTCCAGTCCACCCTACAGTCTGAGTCCAAGACCGTCCGTTGGGCCACATCCACAGCGAGTCACT
GACCACCTGGGTGTCGTCTACTATGTGGGAGACACTTTCTCCGAAGAGTACACAGGCTCCAGCCTCAA
ACAGTCGAGCGGAATGTGGAAGATGATTATATCGCCAACCTCCGGAACAACCTGCTGGAAGGAGAAGCAG
CAGAAGGAAGGCTTGCTGTACCGGGCACGCTACTTTGGCGACACAGATATGTACCACAGAGCACAGAAG
ATGGGCACCCCGAGTGCAGCCGACTGTGAGAGGTGCAGGCTCCCTGCATGGATAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



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**Plasmid Map:**


**ACCN:** NM\_017626

**Insert Size:** 1230 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\\_017626.4](#)

**RefSeq Size:** 3215 bp

**RefSeq ORF:** 1230 bp

**Locus ID:** 54788

**UniProt ID:** [Q9NXW2](#)

**Cytogenetics:** 10q22.1

<b>Domains:</b>	Dnaj
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	45.5 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 3' UTR compared to variant 1. 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.</p>