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Product datasheet for SC114056

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:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_017626, the custom clone sequence may differ by one or more nucleotides

ATGTCATCACTCCGCGCCCGGCTGCCCGCGACGCGCCGGCGGGTGGCGCAGCCCTTCGCTCGCCCGGCCT
CCCCCTCCCTGGTTCCGCGTTCTGGTTCCGCCATGGAATCCAACAAGGATGAAGCTGAGCGCTGTATCAG
CATCGCCCTCAAGGCCATCCAGAGCAACCAGCCCGACCGGGCGCTCCGCTTCCTGGAGAAGGCACAGCGG
CTGTATCCGACGCCGCGAGTTCGCGCCCTGATTGAGTCCCTCAACCAGAAACCACAGACTGCCGGTGACC
AACCCCCACCCACAGACACAACCCATGCCACCCACAGGAAAGCAGGTGGGACCGATGCCCCCTCGGCCAA
CGGTGAAGCTGGAGGAGAGAGCACCAAAGGCTACACTGCAGAACAGGTTGCAGCTGTGAAAAGGGTCAAG
CAATGTAAAGATTACTATGAGATCCTGGGGGGTGAGCAGAGGGGCCTCGGATGAGGACCTGAAGAAGGCCT
ACCGCAGACTGGCCCTCAAATTCCACCCAGACAAGAACCACGCACCTGGTGCCACTGAAGCCTTCAAAGC
CATTGGCACAGCATATGCGGTACTCAGCAACCCGGAGAAGAGGAAGCAGTATGACCAGTTCGGCGATGAC
AAGAGCCAGGCGGCCCGGCACGGCCATGGGCATGGGGATTTCCACCGTGGCTTTGAGGCCGACATCTCCC
CTGAAGACCTCTTCAACATGTTCTTTGGCGGCGGCTTCCCTTCTAGTAACGTCCACGTCTACAGCAACGG
CCGCATGCGCTATACCTACCAGCAAAGGCAGGACCGCAGGGACAACCAGGGTGATGGCGGGCTAGGGGTG
TTTGTGCAGCTGATGCCTATCCTCATCCTGATTCTCGTGTCAGCTCTCAGCCAGCTCATGGTCTCCAGTC
CACCCTACAGTCTGAGTCCAAGACCGTCCGTGGGCCACATCCACAGGCGAGTCACTGACCACCTGGGTGT
CGTCTACTATGTGGGAGACACTTTCTCCGAAGAGTACACAGGCTCCAGCCTCAAAACAGTCGAGCGGAAT
GTGGAAGATGATTATATCGCCAACCTCCGGAACAACTGCTGGAAGGAGAAGCAGCAGAAGGAAGGCTTGC
TGTACCGGGCACGCTACTTTGGCGACACAGATATGTACCACAGAGCACAGAAGATGGGCACCCCCAGCTG
CAGCCGACTGTCAGAGGTGCAGGCCTCCCTGCATGGATAG

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_017626 unedited
GTGTTCANATTTTGTATACGACTCATATAGGGCGGCCGCGAATTCGCACGAAGGGCTGGT
TCCGCCATGGNAATCCAACAAGNATGAAGCTGAGCGCTGTATCAGCATCGCCCTCAAGGC
CATCCAGAGCAACCAGCCCGACCGGGCGCTCCGCTTCCTGGAGAAGGCACAGCGGCTGTA
TCCGACGCCGCGAGTTCGCGCCCTGATTGAGTCCCTCAACCAGAAACCACAGACTGCCGG
TGACCAACCCCCACCCACAGACACAACCCATGCCACCCACAGGAAAGCAGGTGGGACCGA
TGCCCCCTCGGCCAACGGTGAAGCTGGAGGAGAGAGCACCAAAGGCTACACTGCAGAACA
GGTTGCAGCTGTGAAAAGGGTCAAGCAATGTAAAGATTACTATGAGATCCTGGGGGTGAG
CAGAGGGGCCTCGGATGAGGACCTGAAGAAGGCCTACCGCAGACTGGCCCTCAAATTCCA
CCCAGACAAGAACCACGCACCTGGTGCCACTGAAGCCTTCAAAGCCATTGGCACAGCATA
TGCGGTACTCAGCAACCCGGAGAAGAGGAAGCAGTATGACCAGTTCGGCGATGACAAGAG
CCAGGCGGCCCGGCACGGCCATGGGCATGGGGATTTCCACCGTGGCTTTGAGGCCGACAT
CTCCCCTGAAGACCTCTTCAACATGTTCTTTGGCGGCGGCTTCCCTTCTAGTAACGTCCA
CGTCTACAGCAACGGCCGCATGCGCTATACCTACCAGCAAAGGCAGGACCGCAGGGACAA
CCAGGGTGATGGCGGGCTAGGGGTGTTTGTGCAGCTGATGCCTATCCTCATCCTGATTCT
CGTGTCAGCTCTCAGCCAGCTCATGGTCTCCAGTNCACCCTACAGTCTGAGTCCAGACCG
TCCGTGGCCACANTCACAGCGAGTACTGACACCTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_017626 unedited
TGTACGCGGCCGCTTCTAAATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTA
CAATTTGAGAATTCTAATTCAAAAAAACAGCTTCCAAAGGATCCTTTAGGATCTATGTTC
TTATTGCACATGGCTCAACCCGTCTAGGGACATCTACCAAGACCATATGGTCGGGGCGTG
GGGGCAAATCACCGGGGCCACAGTGGGTAGGCACTCTGGCCACATCAGTTCTTATAATCT
CTCTGGGCTGAAGTGGCTGCTTCATTGCAGGGTTGGACCTTGTTTAAAAACCAAATTTGA
CATTTCCTTACCGAACTTCCTTTCCCAGCAAGAATCCTATTTGTTGGGGGACTTTTAAAA
AAAGAGCCGAGAGAAACTCTGGGAGGGTGGTTATCACCTCCTGGCTGGCAGCTTGGGGAA
GTAAGGCTTTGGAAGACGGCGGGCGCAATGACCCACCCACCGCCACAGGAAAACATGGTC
ATTCCATAAGGCCCAGGAGAAACTGGGGGAATAAATAAAACCTCCCTCCTCCCACTGGCG
GCAAGTGCTGTTTTAAGCCAAAATCCCTCATTTTCAATGGGAGGGTAAGAAAACTATTCT
GGTTCAGGTGTATCCCTTTGTCCAGGTACCCAGAGGAGGCCTTGGCGTCACTTAACAGCG
AGTGAATACAGAGGCAGCCACGGGCACTCGCCTTTCTTCAAGAGTCAAGGAGGTTGCCCT
GTGGTCCCGGCACCACTGACTGACTTGGGAAGAAAAACTTTTTGAAATCCTTTGTGGCAT
GACTTAGAAAAAACCATGGCAATGAAGGAGCTGTGCCCTGTGGGCCCTTTAAGGAAGCCC
CCTTGGGGACTTAAGGGGGGGAAAAGGTTAGTAAATCCTTGGCCCTCTGGAGGCCTTCTT
TTTTGGGCAGAGGCTGAAGCTCCTGGCCCAAAAAAAACCCACCCCTTTTGAAGGGAAAGA
GTCTCCCAACAGTCTTGGGGCCCTTT

Restriction Sites: NotI-NotI

ACCN: NM_017626

Insert Size: 3370 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).

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_017626.3, NP_060096.2

RefSeq Size: 3215 bp

RefSeq ORF: 1128 bp

Locus ID: 54788

UniProt ID: Q9NXW2

Cytogenetics: 10q22.1

Domains: DnaJ

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 (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.