

Product datasheet for **SC110111**

DNAJB6 (NM_005494) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAJB6 (NM_005494) Human Untagged Clone
Tag:	Tag Free
Symbol:	DNAJB6
Synonyms:	DJ4; DnaJ; HHDJ1; HSJ-2; HSJ2; LGMD1D; LGMD1E; LGMDD1; MRJ; MSJ-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC110111 sequence for NM_005494 edited (data generated by NextGen Sequencing)

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ATGGTGGATTACTATGAAGTTCTAGGCGTGCAGAGACATGCCTCACCCGAGGATATTA  
AAGGCATATCGGAACTGGCACTGAAGTGGCATCCAGATAAAAATCCTGAGAATAAAGAA  
GAAGCAGAGAGAAAATCAAGCAAGTAGCGGAGGCATATGAAGTGTGTCGGATGCTAAG  
AAACGGGACATCTATGACAAATATGGCAAAGAAGGATTAATGGTGGAGGAGGAGGTGA  
AGTCATTTTGACAGTCCATTTGAATTTGGCTTCACATTCCGTAACCCAGATGATGTCTTC  
AGGGAATTTTTGGTGAAGGGACCCATTTTCATTTGACTTCTTTGAAGACCCTTTTGAG  
GACTTCTTTGGGAATCGAAGGGTCCCCGAGGAAGCAGAAGCCGAGGGACGGGGTCGTTT  
TTCTCTGCGTTCAGTGGATTTCCGTCTTTTGAAGTGGATTTTCTCTTTTGATACAGGA  
TTTACTTCATTTGGGTCCTAGGTCACGGGGCCTCACTTCATTCTCTCCACGTCATTT  
GGTGGTAGTGGCATGGGCAACTTCAAATCGATATCAACTCAACTAAAATGGTTAATGGC  
AGAAAAATCACTACAAAGAGAATTGTCGAGAACGGTCAAGAAAAGAGTAGAAGTTGAAGAA  
GATGGCCAGTTAAAGTCCTTAACAATAAATGGTAAAGGAGCAGCTGCTGCGCTTGATAAC  
AAGTAA
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Clone variation with respect to NM_005494.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005494 unedited TTTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGCCTCGTGCCGAATTCG GCACGAGGAGGAGCCGCCACCACCAGCGCAGCAGTCTGGAGCTGTGAGGAGATTTCG GGCCGTCAACCCTGCCCTCCCCTGCGTCCCGCCACCGGCCGCTTCTGTCTCGGACCCATTC CAACAATCTCGTAAAACATGGTGGATTACTATGAAGTTCTAGGCGTGCAGAGACATGCCT CACCCGAGGATATTA AAAAGGCATATCGGAAACTGGCACTGAAGTGGCATCCAGATAAAA ATCCTGAGAATAAAGAAGAAGCAGAGAGAAAATTCAAGCAAGTAGCGGAGGCATATGAAG TGCTGTCGGATGCTAAGAAACGGGACATCTATGACAAATATGGCAAAGAAGGATTA AATG GTGGAGGAGGAGGTGGAAGTCATTTTGACAGTCCATTTGAATTTGGCTTACATTCCGTA ACCCAGATGATGTCTTCAGGGAATTTTTGGTGGAAAGGACCCATTTTCATTTGACTTCT TTGAAGACCCTTTTGAGGACTTCTTTGGGAATCGAAGGGTCCCCGAGGAAGCAGAAGCC GAGGGAACGGGTGTTTTCTCTGCGTTCAGTGGATTTCCGCTTTTGGAAAGTGGATTT TCTTCTTTGATACAGGATTTACTTNCATTTGGGTCAGTGGTACAGTCCAGGNNGCCTCACTT CATTCTTNCACGTCAATTTGGTGGTAGTGGCATGGGGCAACTCAAATCGATATCAAC TTCAACTAANATGGGTTAATGGCAGAAAATACTACAAANAGAAATGTCGAGAACGGCAG AAAGAAATAAAAGTGAAAAGATGGGCAGGTTAAGTCCTA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005494 unedited CCCCCTCCCCCNCNCCCTTCCCTCCTTCTCCCTTTTGATTTAGCACGCGGCCGCATAC TATGACCGGTTTTTTTTTTTTTTTTTAAAGCAAATGACAAAGCCAGTTTACCAGCTTTA CTTTTTAAACCTAACCTAACATTACCTATTTAAACAATTGCCAAAACCTACTAAGTTG CCAGCATTGATGCCAACTCGCAAACATCCCTAATTTATATTAACCAGACATGTATT ACCATTAATGTATTAATATTTTTCACTACTAAATACTGAACAAAATTGAAATTATCCCTG TACAAGCAATCGACCTGGAATGTTAACTTCACAGCAGGCCGACACTACGTGGCTCACAT TTTACACACAATGAAAAGCAGGCCCATGCTGGTGTACCGTCCACACTCCGCCCTACACT AAAGAGCCCCGACTCACCTTGGAGTACGTCCAATAACAAGTCAAGCGCCTACAGAGATTT ACAATCACTTTATAGACAAAAAACACCCGGTTTTATCATGCCGCCCCACCATCCCCCTC CACAGCCTATGACCATTAGAGCCTCCCACGACCTGCTTATAAATACCTCTTGGGCCCAAT TATACTGCAAGTCCAGTCCCCTGAAACCTTCCAAAAATGTTCCCTGTCAACCCTTAC ATGTCGCTGCCACCGCTTAAACATCCCCGCCAAGGGCGACCGTCCACCACTCCCCACC CAACGGCACCACTGCTCCTTCCCATCTATTGTCCAGGACTTAACCTGACCCATTTCTTT CCCCTATCAACTCTTTTTGGCCCGGCCCTCGATCAATTTTTTTGGCCAAGCATTTCCTGG CCCCTCAACCCTTCAAACCTCCGATCCCCCATTGTTCTCCAGCCCGCCCTGCGCTTTATC AACCAATTACTCCGCACAACAATTAAGTGTAGGCCCTGTTCCCCCACCACCCAACC CGAACT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_005494
Insert Size:	1400 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_005494.2](#), [NP_005485.1](#)

RefSeq Size: 1568 bp

RefSeq ORF: 726 bp

Locus ID: 10049

UniProt ID: [O75190](#)

Cytogenetics: 7q36.3

Domains: Dnaj

Gene Summary: This gene encodes a member of the DNAJ protein family. DNAJ family members are characterized by a highly conserved amino acid stretch called the 'J-domain' and function as one of the two major classes of molecular chaperones involved in a wide range of cellular events, such as protein folding and oligomeric protein complex assembly. This family member may also play a role in polyglutamine aggregation in specific neurons. Alternative splicing of this gene results in multiple transcript variants; however, not all variants have been fully described. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) differs in the 3' coding region and has a distinct 3' UTR, compared to transcript variant 1. The resulting isoform (b) is shorter and distinct, compared to isoform a.