

## Product datasheet for **SC322162**

### 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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for SC322162  
AGAGAAAGGAAAGCGCGAGGAGCCGCCACCACCAGCGCAGCAGTCTGGAGCTGTGA  
GGAGATTCGGGCCGTACCCCTGCCCTCCCCTGCGTCCCGCCACCGCCGCTTCTGTCTCG  
GACCCATTCCAACAATCTCGTAAAAACATGGTGGATTAATGAAGTTCTAGGCGTGCAGA  
GACATGCCTCACCCGAGGATATTAAGGATATCGGAACTGGCACTGAAGTGGCATC  
CAGATAAAAACTCTGAGAATAAAGAAGAAGCAGAGAGAAAATCAAGCAAGTAGCGGAGG  
CATATGAAGTGTGTCGGATGCTAAGAAACGGGACATCTATGACAAATATGGCAAAGAAG  
GATTAATGGTGGAGGAGGAGGTGGAAGTCATTTTACAGTCCATTTGAATTTGGCTTCA  
CATTCCGTAACCCAGATGATGCTTCAGGAATTTTTGGTGGAAAGGACCCATTTTCAT  
TTGACTTCTTTGAAGACCCTTTGAGGACTTCTTTGGAAATCGAAGGGTCCCGAGGAA  
GCAGAAGCCGAGGACGGGTCTTTTTCTCTGCTTCAGTGGATTTCCGTCTTTGGAA  
GTGGATTTTCTTTGATACAGGATTAATTCATTTGGGTCACTAGGTACCGGGGCC  
TCACTTCACTTCTTCCACGTCATTTGGTGGTAGTGGCACTTCAAATCGATAT  
CAACTTCACTAAAATGGTTAATGGCAGAAAAATCACTACAAAGAGAATTGTCGAGAACG  
GTCAAGAAAGAGTAGAAGTTGAAGAAGATGGCCAGTTAAAGTCCCTAACAAATAAATGGTA  
AGGAGCAGCTGCTGCGCTTGATAACAAGTAATCAACGCACGCCTTAACAGAAATGTT  
AACTATAACAAGCACCATTTGAGGATTAACAGGAACATTTTTTTGAAGATTTCAAACGA  
ACTCGACTTTTCAGTATAATTGTACCTAAAGTATTTATAAACAGCTCATCGGAGCCTCTAT  
TTGTCATAGACTTTTGAGTTGATTGTTGGGACCACATAATAGGACCATTTTTTTTTGTC  
TTTTAAAATGTTGTAATCTCTGTATGCACTTTGCTTTTTTATTAAACGTAATCCAAAGGT  
GAGTCTTGACTCTTTAGTGTAGGACAAGATTGTACACTAACACCAGCATGGACCTGCTTT  
TCATTGTGTCTGAAATGTGAGCCACGTAGTGTGCGCTGCTGTGAAGTTAACATTGCCAG  
GACGATTTCTACAGAAATAATTTCAATTTTTTTCAGTATTTAGTAGTAAAGATATTA  
ATACATTAATGGTAATACATTTCTGGTTAATATAAAATTAAGGATGTTTTCTAGTTGTGC  
ATGAATGCTGGCAACTTAGTAAGTTTTGACAATGTTAAATATGTAATGTTAAGCTTAG  
GTTAAAAAAGTAAAGCTGGTAACTGGTCTTTGTCATTTGCTTTAAAAA  
A



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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_005494
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_005494.2</a> , <a href="#">NP_005485.1</a>
<b>RefSeq Size:</b>	1568 bp
<b>RefSeq ORF:</b>	726 bp
<b>Locus ID:</b>	10049
<b>UniProt ID:</b>	<a href="#">O75190</a>
<b>Cytogenetics:</b>	7q36.3
<b>Domains:</b>	Dnaj
<b>Gene Summary:</b>	<p>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]</p> <p>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.</p>