

Product datasheet for SC115430

DNAJB5 (NM_012266) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAJB5 (NM_012266) Human Untagged Clone
Tag:	Tag Free
Symbol:	DNAJB5
Synonyms:	Hsc40
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115430 sequence for NM_012266 edited (data generated by NextGen Sequencing)

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ATGGGAAAAGATTATTACAAGATTCTTGGGATCCCATCGGGGCCAACGAGGATGAGATC
AAGAAAGCTACCGAAGATGGCCTTGAAGTACCACCCAGACAAGAATAAAGAACCCAAC
GCTGAGGAGAAGTTTAAGGAGATTGCAGAGGCCTATGATGTGCTAAGTGACCCCAAGAAA
CGGGCCCTGTATGACCAGTATGGGGAGGAAGGCCTGAAGACCGGCGGTGGCACATCAGGT
GGCTCCAGTGGCTCCTTTCACTACACCTTTTCATGGGGACCCCATGCCACCTTTGCCTCC
TTCTTTGGTGGCTCCAACCCCTTCGATATCTTCTTTGCCAGCAGCCGCTCCACTCGGCC
TTCAGTGGCTTTGACCCAGATGACATGGATGTGGATGAAGATGAGGACCCATTTGGCGCT
TTCGGCCGTTTTGGCTTCAATGGGCTGAGTAGGGTCCAAGGCGAGCCCCAGAACCCTG
TACCCTCGGCGCAAGGTGCAGGACCCCCAGTGGTGCACGAGCTCGGGGTGCCCTGGAG
GAGATCTACCATGGCTCCACCAAGCGCATGAAGATCACAAGGCGTCGCCTCAACCCTGAT
GGGCGAAGTGTGCGCACCGAGGACAAGATCCTGCACATAGTCATCAAGCGTGGCTGGAAG
GAAGGCACCAAGATCACCTTCCCCAAAGAAGGCGACGCCACACCTGACAACATCCCTGCT
GACATCGTCTTTGTGCTCAAAGACAAGCCCCATGCACACTTCCGCCGAGATGGCACCAAC
GTGCTCTACAGTGCCTGATCAGCCTCAAGGAGGCGCTGTGTGGCTGCACTGTGAACATT
CCCCTATCGACGCGGAGTGCATCCCTTTGCCCTGCAATGATGTCATCAAGCCAGGCACC
GTGAAGAGACTCCGTGGGAGGGCCTTCCCTTCCCCAAAGTGCCAACCTCAGCGAGGAGAC
CTCATTGTTGAGTTCAAAGTTCGCTTCCAGACAGATTAACACCACAGACAAGACAGATC
CTTAAGCAGCACCTACCCTGTTCTAG

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Clone variation with respect to NM_012266.5



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_012266 unedited</p> <pre>GCCGCGGAATTCGCACGAGGAGGAGGCAGATCCTGAAAGAGCTTGCCCTGTGTCTGCGGA GGCAAGAGATGTATGGGCTAGAGCAGCTAGCAGAAACAAGGAGACCAGTGTGCTCCAG TGGCTGTGATGGGAAAAGATTATTACAAGATTCTTGGGATCCCATCGGGGGCCAACGAGG ATGAGATCAAGAAAGCCTACCGGAAGATGGCCTTGAAGTACCACCCAGACAAGAATAAAG AACCCAACGCTGAGGAGAAGTTTAAGGAGATTGCAGAGGCCTATGATGTGCTAAGTGACC CCAAGAAACGGGGCCTGTATGACCAGTATGGGGAGGAAGGCCTGAAGACCGGCGGTGGCA CATCAGGTGGCTCCAGTGGCTCCTTTCACTACACCTTTTCATGGGGACCCCATGCCACCT TTGCCTCCTTCTTTGGTGGCTCCAACCCCTTCGATATCTTCTTTGCCAGCAGCCGCTCCA CTCGGCCCTTCAGTGGCTTTGACCCAGATGACATGGATGTGGATGAAGATGAGGACCCAT TTGGCGCTTTGGCCGTTTTGGCTTCAATGGGCTGAGTAGGGGTCCAAGGCGAGCCCCAG AACCACTGTACCCTCGGCGCAAGGTGCAGGACCCCCAGTGGTGCACGAGCTGCGGGGTG TCCCTGGAGGAGATCTACCATGGCTCCACCAAGCGCATGAAGATCCAANGGCGTCGCCTC AACCTGATGGGCGAACTGTGCGCACCGAGGGACAGATCTGCACATAGTCTNCAAGCGT GGCTGGAGGAANGACCAAGATCACCTTCCCAAGAAGCGACGCCACACTGACACATCCT GCTGACTCGTCTTGTGCTCAA</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_012266 unedited</p> <pre>NTTTTAGCTATGGACCGGCGCCCAATCTAGNGATCGGTTTTTTTTTTTTTTTTTTTTTTT TTTTCCATATTTTTAAATACTTTATTTTTTACATAATACTGTCATTACAAAAATACA AAAAACTACTATAAAAAATTCCGGGGTTGTCAAAGTGAGAAAACCTAAAGACCCACC CCAGGATCTGGCTGAAGCAGTCTTCCCCAGCTTCTTCACTATGACCTTTATACAACTAT GGGGTGGGGGGGATCACACAGGCATAAAAGGGCTGAAATTTCCACACAGCCTCCAA GGGTAAAAAATGAGTAGCTTACATATCACAAAAGTGGGATTTGGAAGTTTGGGGGTGGC TAGGCCCTGAGTTCAAAGGTGTGGGGAAAAACCTGTGACCTGAATCTCTTGGGGGGAA TAGCTGCCACCTGACCCAAAGCCCTTTCCTTCTGATGAAGGCTGGTAAATGGGCCCT GTCCCCACCTCTTAGCCTTAATACCTCAGGCCCATTCCTGCCCTCCACCTTGAACA CTCCTGAGAGCAGCAGGGAGGACAGAACCTCCAGCTCTGCAGGTGATGGCAGGGCAGCTG TTACGGAGGCTGCTGAGGAGCTACCCCTGCTCCAGATGAAAAGTGTCTCGTGCTCAA GTCCCTGTTACAGGTTGTGAACCTTCCCTTCTATCCTCTCTCTTTCTCCAGAGAGG CACAGACAGCTTAGGTGAGTGCTTCCCTGTGCATGAATATGTGTGCCATTACCTTGAACA TGTGGACCTGGGGTGGGGCTGAGAAGCAATGTCCTTTTGTCTTTCCACCCCCACAGC AGGAACCAAGGGGAGGGAGGGACTGGTATTANCAAGCTGAGGGGAGGAGGACTGCTTG TACACGCTGAATAGGATCTACTATCTCAAC</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_012266
Insert Size:	2390 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:	<ol style="list-style-type: none">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_012266.3 , NP_036398.3
RefSeq Size:	2462 bp
RefSeq ORF:	1047 bp
Locus ID:	25822
UniProt ID:	O75953
Cytogenetics:	9p13.3
Domains:	DnaJ, DnaJ_C
Gene Summary:	<p>This gene encodes a member of the DNAJ heat shock protein 40 family of co-chaperone proteins. The encoded protein contains an N-terminal DNAJ domain and a C-terminal substrate binding domain but lacks the cysteine-rich domain found in other DNAJ family members. In mice, a multi-protein complex containing this protein, thioredoxin 1, and histone deacetylase 4, serves as a master negative regulator of cardiac hypertrophy. [provided by RefSeq, Mar 2017]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and uses a downstream translation initiation codon, compared to variant 2. The encoded isoform (3) has a shorter N-terminus, compared to isoform 2. Both variants 3 and 5 encode the same isoform (3). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>