

## Product datasheet for **SC111047**

### DNAJC7 (NM\_003315) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DNAJC7 (NM_003315) Human Untagged Clone
Tag:	Tag Free
Symbol:	DNAJC7
Synonyms:	DJ11; DJC7; TPR2; TTC2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003315, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCTGCCGCGAGTGCATGTGGTAAATGGCGGCGACCGAGCCGGAGCTGCTCGACACCAAGAGG
CGAAGAGGGAAGCAGAGACTTTCAAGGAACAAGGAAATGCATACTATGCCAAGAAAGATTACAATGAAGC
TTATAATTATTATACAAAAGCCATAGATATGTGTCCTAAAAATGCTAGCTATTATGGTAATCGAGCAGCC
ACCTTGATGATGCTTGGAAAGTTCCGGGAAGCTCTTGGAGATGCACAACAGTCAGTGAGGTTGGATGACA
GTTTTGTCCGGGACATCTACGAGAGGGCAAGTCCACCTCTCTGCGGGAATGCCATGGCAGCATGTCG
CAGCTTCCAGAGAGCCCTAGAAGTGGATCATAAAAAATGCTCAGGCACAACAAGAGTTCAAGAATGCTAAT
GCAGTCATGGAATATGAGAAAATAGCAGAAAACAGATTTTGAGAAGCGAGATTTTCGGAAGGTTGTTTTCT
GCATGGACCGTGCCCTAGAATTTGCCCTGCCTGCCATCGCTTCAAAATCCTCAAGGCAGAAATGTTTAGC
AATGCTGGGTCGTTATCCAGAAGCACAGTCTGTGGCTAGTGACATTCTACGAATGGATTCCACCAATGCA
GATGCTCTGTATGACGAGGCTTTGCCTTTATTACGAAGATTGTATTGAGAAGGCAGTTGAGTTTTTCG
TACAGGCTCTCAGGATGGCTCCTGACCACGAGAAGGCCTGCATTGCCTGCAGAAATGCCAAAGCACTCAA
AGCAAAGAAAGAAGATGGGAATAAAGCATTTAAGGAAGGAAATACAAACTAGCATATGAACTGTACACA
GAAGCCCTGGGGATAGACCCCAACAATAAAAAACAAATGCTAACTCTACTGTAATCGGGGTACGGTTA
ATTCCAAGCTTAGGAACTAGATGATGCAATAGAAGACTGCACAAATGCAGTGAAGCTTGATGACACTTA
CATAAAAGCCTACTTGAGAAGAGCTCAGTGTTACATGGACACAGAACAGTATGAAGAAGCAGTACGAGAC
TATGAAAAAGTATACCAGACAGAGAAAACAAAAGAACACAAACAGCTCCTAAAAAATGCCAGCTGGAAC
TGAAGAAGAGTAAGAGGAAAGATTACTACAAGATTCTAGGAGTGGACAAGAATGCCTCTGAGGACGAGAT
CAAGAAAGCTTATCGAAACGGGCTTGATGCACCATCCAGATCGGCATAGTGGAGCCAGTGCTGAGGTT
CAGAAGGAGGAGGAGAAGAAGTTCAAGGAAGTTGGAGAGGCCCTTACTATCCTCTCTGATCCCAAGAAAA
AGACTCGCTATGACAGTGGACAGGACCTAGATGAGGAGGCATGAATATGGGTGATTTTGATCCAAACAA
TATCTTCAAGGCATTCTTTGGCGGCTCCTGGCGGCTTCAGCTTTGAAGCATCTGGTCCAGGGAATTTCTTT
TTCAATTTGGCTAA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_003315 unedited</p> <pre> AGAATCTTANNGATTTTTGTNAATCACGACTTCACTGATAGGGCGGCACGCGCAATTCGGC ACGAGGCCCGGGAGTGCGATGTGGTAATGGCGGCGACCGAGCCGGAGCTGCTCGACGACC AAGAGGCGAAGAGGGAAGCAGAGACTTTCAAGGAACAAGGAAATGCATACTATGCCAAGA AAGATTACAATGAAGCTTATAATTATTATACAAAAGCCATAGATATGTGTCTAAAAATG CTAGCTATTATGGTAATCGAGCAGCCACCTTGATGATGCTTGGAAAGTTCCGGGAAGCTC TTGGAGATGCACAACAGTCAGTGAGGTTGGATGACAGTTTTGTCCGGGGACATCTACGAG AGGGCAAGTGCCACCTCTCTGGGGAATGCCATGGCAGCATGTGCGAGCTTCCAGAGAG CCCTAGAAGTGGATCATAAAAAATGCTCAGGCACAACAAGAGTTCAAGAATGCTAATGCAG TCATGGAATATGAGAAAATAGCAGAAAACAGATTTTGAGAAGCGAGATTTTCGGAAGGTTG TTTTCTGCATGGACCGTGCCCTAGAATTTGCCCTGCCTGCCATCGCTTCAAAATCCTCA AGGCAGAAATGTTAGCAATGCTGGGTCGTTATCCAGAAGCACAGTCTGTGGCTAGTGACA TTCTACGAATGGATTCCACCAATGCAGATGCTCTGTATGTACGAGGCTTTGCCTTTATT ACGAAGATTGTATTGAGAAGGCAGTTCAGTTTTTCGTACAGGCTCTCAGGATGGCTCCTG ACCACGAGAAGGCTGCATTGCCTGCAGAAATGCCAAAGCACTCANAGCANAGAAAAGAAG ATGGGAAAATAAGCATTTAAGGAAGGAAAAATACAAGTACATATGAACTGTACACAGAAA GCCCTGGGGGATAGACCCAC </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_003315 unedited</p> <pre> CTATGTAACGCGGCACGCAATCTAGAATCGAGTTTTTTTTTTTTTTTTTTTTTATCTCTT TTTTTTTTTCTTTTTTAATAAGTTAAACAGTAAACAAAAAATCACAAGCTGCCTCCCT GTCCACCCCGCCTCCCTCCCTGCCCTCGGTCTTCGGCATTGGTCCCTTTGCTCCACC CCTACTCACAGAGACACAGGGCATCCAACGAAAAACGAAACTGCTCTAAGCACACGGAG ACGTGATGAAGGAGGAGGTGAAGTGTTCACATTCAAGATTAAGTGAAGTGAATCTGC ATTTCTGGGTTCTGGTGGTTGCCCTTATTAGCCAAATGAAAAAAGAAATCCCTGG ACCAAATGCTTCAAAGCTGAAGCCGCCAGGACCGCAAAGAATGCCTGAAGATATTGTT TGGATCAAAATCACCCATATTATGCCCTCCTCATCTAGGTCCTGTCCACTGTCATAGCG AGTCTTTTTCTTGGGATCAGAGAGGATAGTAAAGGCTCTCCAACCTCCTTGAATCTT CTCCTCCTCCTTGAACCTCAGCACTGGCTCCACTATGCCGATCTGGATGGTGCATCAA GGCCCGTTTCCGATAAGCTTTCTTGATCTCGTCCTCAGAGGCATTCTTGCCACTCTAG AATCTTGTAGTAATCTTCTCTACTTCTTCCAGTCCAGCTGCGCATTTTTTAAAGAC CAGTTAGAGTTCTTTGTTTTCTGTGTCAGGTACTTTTTTCATAGNCTGTAAGTCCCTC TTCATACTGGTCTGANGCATTGTAACACTGAGCTCTTCTCAAGAAGCTTTTATGTAAGTC CATCAAAGCTCACTGAATTTGNGCAGNCTTCTATTGCATCATCTATTTTCCCTAACCTTGG ATTACCGTACCCGATACAGGAGAGTAACTTTGTTCTTAATTGTAGGCTATCCACAG CTTCTGNGACAGNTAATAGCCAATGGAATTCCTTCTAN </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_003315
<b>Insert Size:</b>	1830 bp
<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>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).

**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\\_003315.1](#), [NP\\_003306.1](#)

**RefSeq Size:** 2067 bp

**RefSeq ORF:** 1455 bp

**Locus ID:** 7266

**UniProt ID:** [Q99615](#)

**Cytogenetics:** 17q21.2

**Domains:** TPR, Dnaj

**Gene Summary:** This gene encodes a member of the DNAJ heat shock protein 40 family of proteins that is characterized by two N-terminal tetratricopeptide repeat domains and a C-terminal DNAJ domain. This protein binds the chaperone proteins heat shock proteins 70 and 90 in an ATP-dependent manner and may function as a co-chaperone. Pseudogenes of this gene are found on chromosomes 1 and 6. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Oct 2009]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).