

## Product datasheet for **SC101670**

### **DNAJC5B (NM\_033105) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DNAJC5B (NM_033105) Human Untagged Clone
Tag:	Tag Free
Symbol:	DNAJC5B
Synonyms:	CSP-beta
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC101670 sequence for NM_033105 edited (data generated by NextGen Sequencing)

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ATGGCATGTAACATACCTAACCAAGACAGCGGACTCTGTCAACAACAGGAGAAGCTCTA
TACGAAATTCTTGGTCTGCATAAGGGAGCATCAAATGAAGAAATTAAGAAAACCTACAGA
AAATTGGCCCTGAAACACCATCCAGACAAGAATCCAGATGATCCAGCTGCTACTGAGAAG
TTTAAAGAAATCAACAACGCCACGCAATACTTACCGACATTTCAAAGAGAAGCATATAC
GACAAGTACGGATCGCTGGGACTCTACGTGGCCGAGCAGTTTGGAGACGAAAACGTTAAC
ACCTACTTCATGCTGTCGAGCTGGTGGGCAAAGGCCCTGTTTGCATCGTTGGCCTCTTG
ACGGGCTGCTACTTTTGTGCTGCCTGTGCTGCTGCTGCAACTGCTGCTGTGGACTGTC
CGGCCCGAGTCATCAGTCCAGAAGAGGACTTCTATGTGTCCCCAGAGGATCTGGAGGAG
CAGATCAAGTCTGACATGAAAAAGATGTGGACTTTCCAGTTTTTCTCCAGCCTACAAAT
GCAAATGAGAAAACACAGCTAATCAAAGAAGGATCTCGAAGTTATTGCACAGACTCTTGA
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Clone variation with respect to NM\_033105.4



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_033105 unedited NGGGGTGACNATTTTGTNATACGACTTACTATNAGGGNCGGCCGCAATTCGGCAGAG GATCCACATAAGATGTGACTTGTCTTCTCCTTGCCTTCAGTCATGATTGTGAGGCTTCCCC AGCCACGTGGAAGTAGGGATAACCAATTGGCTGGCAAAGTAACAAATGAAAAGTAACCTG ACTCTATTGACCTGCTTAACCCATGCATGGGGGGGAAGGATGAAAAGGAGCAGCTGTTGC TTTGAAACGGTGGAACAGTTTTGCAGCCTTAGAAAAATGGCATGTAAACATACCTAACCCAA GACAGCGGACTCTGTCAACAACAGGAGAAGCTCTATACGAAATTTGGTCTGCATAAGG GAGCATCAAATGAAGAAATTAAGAAAACCTACAGAAAATTTGGCCCTGAAACACCATCCAG ACAAGAATCCAGATGATCCAGCTGCTACTGAGAAGTTTAAAGAAATCAACAACGCCACG CAATACTTACCGACATTTCAAAGAGAAGCATATACGACAAGTACGGATCGCTGGGACTCT ACGTGGCCGAGCAGTTTGGAGACGAAAACGTTAACACCTACTTCATGCTGTCGAGCTGGT GGGCAAAGGCCCTGTTTGCATCGTTGGCCTCTTGACGGGCTGCTACTTTTGTCTGCTGCC TGTGCTGCTGCTGCAACTGCTGTGTGGACTGCCGGCCCGAGTCATCAGTGCCAGAAG AGGACTTCTATGTTTCCAGAGGATCTGGAGGAGCAGATCAAGTCTGACATGAAAAAG ATGTGGACTTTCCATTTTTCTCCAGCCTACAAATGCAAATGAGAAACACAGCTAATCAA AGAAAGATCTCGCAATTATTGCACAGACTCTTGATATTGAGCCCTCAAAGAGTCCACAGT CCCTCTTTCAGTTC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_033105
<b>Insert Size:</b>	4110 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).
<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_033105.3</a> , <a href="#">NP_149096.2</a>
<b>RefSeq Size:</b>	1012 bp
<b>RefSeq ORF:</b>	600 bp
<b>Locus ID:</b>	85479
<b>UniProt ID:</b>	<a href="#">Q9UF47</a>
<b>Cytogenetics:</b>	8q13.1

**Gene Summary:**

This gene encodes a member of the DNAJ heat shock protein 40 family of co-chaperone proteins that is characterized by an N-terminal DNAJ domain, a linker region, and a cysteine-rich C-terminal domain. The encoded protein, together with heat shock protein 70, is thought to regulate the proper folding of other proteins. The orthologous mouse protein is membrane-associated and is targeted to the trans-golgi network. [provided by RefSeq, Mar 2017]

Transcript Variant: This variant (1) encodes the functional protein. Both variants 1 and 2 encode the same protein. 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.