

## Product datasheet for **RC205251**

### **DNAJC5B (NM\_033105) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** DNAJC5B (NM\_033105) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** DNAJC5B  
**Synonyms:** CSP-beta  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC205251 ORF sequence  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCATGTAACATACCTAACCAAAGACAGCGGACTCTGTCAACAACAGGAGAAGCTCTATACGAAATTC  
TTGGTCTGCATAAGGGAGCATCAAATGAAGAAATTAAGAAAACCTACAGAAAATTGGCCCTGAAACACCA  
TCCAGACAAGAATCCAGATGATCCAGCTGCTACTGAGAAGTTAAAGAAATCAACAACGCCACGCAATA  
CTTACCGACATTTCAAAGAGAAGCATATACGACAAGTACGGATCGCTGGGACTCTACGTGGCCGAGCAGT  
TTGGAGACGAAAACGTTAACACCTACTTCATGCTGTCGAGCTGGTGGCAAAGGCCCTGTTGTTCATCGT  
TGGCCTCTTGACGGGCTGCTACTTTTGCTGCTGCCTGTGCTGCTGCTGCAACTGCTGCTGTGGACTGC  
CGGCCCGAGTCATCAGTGCCAGAAGAGGACTTCTATGTGTCCCCAGAGGATCTGGAGGAGCAGATCAAGT  
CTGACATGGAAAAAGATGTGGACTTTCCAGTTTTCTCCAGCCTACAAATGCAAATGAGAAAAACACAGCT  
AATCAAAGAAGGATCTCGAAGTTATTGCACAGACTCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC205251 protein sequence  
**Red=Cloning site Green=Tags(s)**

MACNIPNQRQRTLSTTGEALYEILGLHKGASNEEIKKTYRKLALKHHPDKNPDDPAATEKFKEINNAHAI  
LTDISKRSIYDKYGLGLYVAEQFGDENVNITYFMLSSWAKALFVIVGLLTGCYFCCLCCCCNCCCCHC  
RPESSVPEEDFYVSPEDLEEQIKSDMEKDVFVFLQPTNANEKTLIKEGSRSYCTDS

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6720\\_d09.zip](https://cdn.origene.com/chromatograms/mk6720_d09.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_033105

**ORF Size:** 597 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_033105.6](#)

**RefSeq Size:** 1398 bp

RefSeq ORF: 600 bp

Locus ID: 85479

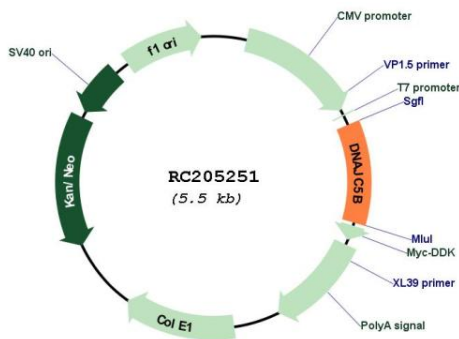
UniProt ID: [Q9UF47](#)

Cytogenetics: 8q13.1

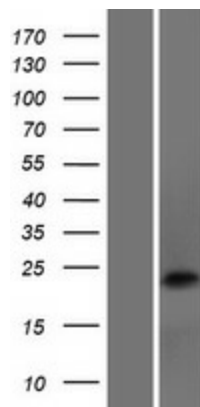
MW: 22.5 kDa

**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]

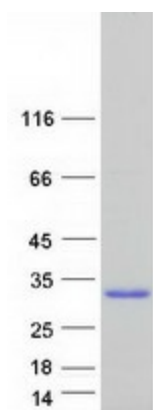
**Product images:**



Circular map for RC205251



Western blot validation of overexpression lysate (Cat# [LY409749]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205251 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DNAJC5B protein (Cat# [TP305251]). The protein was produced from HEK293T cells transfected with DNAJC5B cDNA clone (Cat# RC205251) using MegaTran 2.0 (Cat# [TT210002]).