

## Product datasheet for **RC200130**

### **DNAJC17 (NM\_018163) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DNAJC17 (NM_018163) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DNAJC17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200130 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCAGTGACCAAGGAGCTCTTACAGATGGACCTGTACGCGCTGCTAGGCATTGAGGAGAAGGCAGCGG  
ACAAAGAGGTAAGAAGGCGTATAGGCAGAAGGCCCTCTCCTGCCACCCAGACAAAAATCCAGATAATCC  
CAGAGCAGCTGAACCTCTCCACCAGCTTCTCAGGCCTTGGAGGTGCTGACCGATGCTGCAGCCAGGGCT  
GCATATGACAAGGTCAGGAAAGCCAAGAAGCAAGCAGCAGAGAGGACCCAGAACTTGATGAGAAAAGGA  
AGAAAGTGAAGCTTGACCTGGAGGCCCGGAGCGGCAGGCCAGGCCAGGAGAGTGAGGAGGAAGAGGA  
GAGCCGGAGCACCAGGACACTAGAGCAAGAGATCGAACGCCTGAGAGAAGAGGGTCCCGGAGCTGGAG  
GAACAGCAGAGGCTCATCCGGGAGCAGATACGCCAGGAGCGTGACCAGAGGTTGAGAGGAAAGGCAGAAA  
ATACTGAAGGCCAAGGAACCCCAAACTAAAGCTAAAAATGGAAGTGCAAGAAGGAGGATGAGTCAAAGG  
TGGCTACTCAAAGACGTCCTCTACGGCTTTTGCAAGATATGGTGGAGTTCTCAACCTGGTGCTTTCC  
AGTAAGAAGCCAGGCACTGCTGTGGTGGAGTTTGAACCGTCAAGGCAGCGGAGCTGGCTGTCCAGAAATG  
AAGTTGGCCTGGTGGATAAACCCTCTGAAGATTTCTGGTGGAGGACAGCCCCAGGATGCCGTGGGCCG  
CAGCCACTCAGGACTGTCAAAGGCTCAGTGTGTGAGAGGGACTACGAGAGCCTCGTCATGATGCGC  
ATGCGCCAGGCGCCGAGCGGCAACAGCTGATCGCACGGATGCAGCAGGAAGACCAGGAGGGCCGCTA  
CG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RC200130 protein sequence  
Red=Cloning site Green=Tags(s)

MAVTKELLQMDLYALLGIEEKAADKEVKKAYRQKALSCHPDKNPDNPRAAELFHQLSQALEVLTDAARA  
 AYDKVRKAKKQAERTQKLDEKRKKVKLDLEARERQAQAQEEEEESRSTRTLEQEIERLREEGSRQLE  
 EQQRLIREQIRQERDQRLRGKAENTEGQGTPLKLLKWKCKKEDESKGGYKDVLLRLLQKYGEVLNLVLS  
 SKKPGTAVVEFATVKAELAVQNEVGLVDNPLKISWLEGPQDAVGRSHSGLSKGSVLSERDYESLVMMR  
 MRQAAERQQLIARMQEDQEGPPT

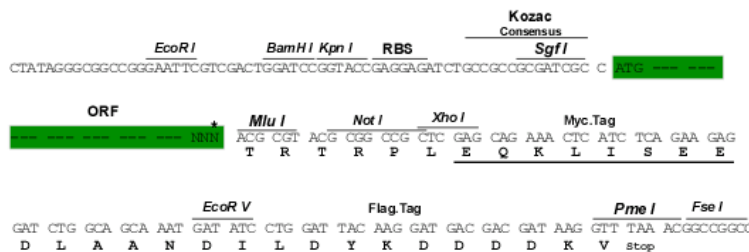
TRTRPLEQKLISEEDLANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6396\\_f03.zip](https://cdn.origene.com/chromatograms/mk6396_f03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_018163

**ORF Size:** 912 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.

**RefSeq:** [NM\\_018163.3](#)

**RefSeq Size:** 1031 bp

**RefSeq ORF:** 915 bp

**Locus ID:** 55192

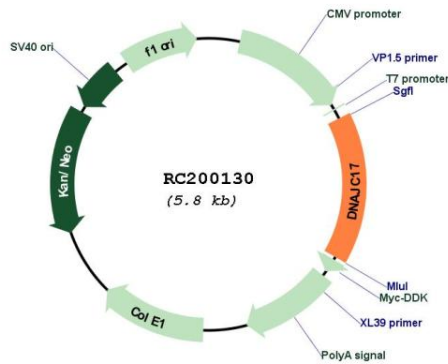
**UniProt ID:** [Q9NVM6](#)

**Cytogenetics:** 15q15.1

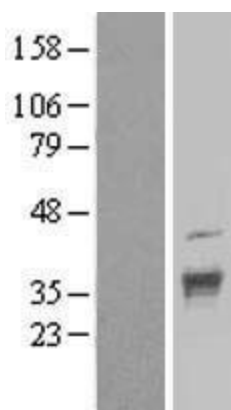
**MW:** 34.7 kDa

**Gene Summary:** May negatively affect PAX8-induced thyroglobulin/TG transcription.[UniProtKB/Swiss-Prot Function]

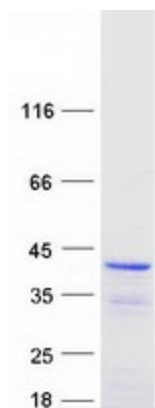
**Product images:**



Circular map for RC200130



Western blot validation of overexpression lysate (Cat# [LY413260]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200130 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DNAJC17 protein (Cat# [TP300130]). The protein was produced from HEK293T cells transfected with DNAJC17 cDNA clone (Cat# RC200130) using MegaTran 2.0 (Cat# [TT210002]).