

## Product datasheet for **RG204154**

### **DNAJC7 (NM\_003315) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	DNAJC7 (NM_003315) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DNAJC7
Synonyms:	DJ11; DJC7; TPR2; TTC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG204154 representing NM\_003315  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGCTGCCGCGAGTGCATGTGGTAATGGCGGCGACCGAGCCGGAGCTGCTCGACGACCAAGAGG  
 CGAAGAGGGAAGCAGAGACTTTCAAGGAACAAGGAAATGCATACTATGCCAAGAAAGATTACAATGAAGC  
 TTATAATTATTATACAAAAGCCATAGATATGTGTCTAAAAATGCTAGCTATTATGGTAATCGAGCAGCC  
 ACCTTGATGATGCTTGAAGGTTCCGGGAAGCTCTGGAGATGCACAACAGTCAGTGAGGTTGGATGACA  
 GTTTTGTCCGGGACATCTACGAGAGGGCAAGTCCACCTCTCTCTGGGAATGCCATGGCAGCATGTGC  
 CAGCTTCCAGAGAGCCCTAGAAGTGGATCATAAAAAATGCTCAGGCACAACAAGAGTTCAAGAATGCTAAT  
 GCAGTCATGGAATATGAGAAAAATAGCAGAAACAGATTTTGAGAAGCGAGATTTTCGGAAGGTTGTTTTCT  
 GCATGGACCGTGCCTAGAATTTGCCCTGCCTGCCATCGCTTCAAATCCTCAAGGCAGAATGTTTAGC  
 AATGCTGGGTCGTTATCCAGAAGCACAGTCTGTGGCTAGTGACATTCTACGAATGGATTCCACCAATGCA  
 GATGCTCTGTATGACGAGGCTTTGCCTTTATTACGAAGATTGTATTGAGAAGGCAGTTGATTTTTTCG  
 TACAGGCTCTCAGGATGGCTCCTGACCAGGAGAAGGCCTGCATTGCCTGCAGAAATGCCAAAGCACTCAA  
 AGCAAAGAAAGAAGATGGGAATAAAGCATTAAAGGAAGGAAATTACAAACTAGCATATGAACTGTACACA  
 GAAGCCCTGGGGATAGACCCCAACAATATAAAAACAAAATGCTAAACTCTACTGTAATCGGGGTACGGTTA  
 ATTCCAAGCTTAGGAACTAGATGATGCAATAGAAGACTGCACAAATGCAGTGAAGCTTGATGACTTAA  
 CATAAAAGCCTACTTGAGAAGAGCTCAGTGTTACATGGACACAGAACAGTATGAAGAAGCAGTACGAGAC  
 TATGAAAAAGTATACCAGACAGAGAAAAACAAAAGAACACAAACAGCTCCTAAAAAATGCCAGCTGGAAC  
 TGAAGAAGAGTAAGAGGAAAGATTACTACAAGATTCTAGGAGTGGACAAGAATGCCTCTGAGGACGAGAT  
 CAAGAAAAGCTTATCGGAAACGGGCTTGATGCACCATCCAGATCGGCATAGTGGAGCCAGTGCTGAGGTT  
 CAGAAGGAGGAGGAGAAGAAGTTCAAGGAAGTTGAGAGGCCTTTACTATCCTCTCTGATCCCAAGAAAA  
 AGACTCGTATGACAGTGGACAGGACCTAGATGAGGAGGCATGAATATGGGTGATTTTATCCAAACAA  
 TATCTTCAAGGCATTCTTTGGCGGCTCTGGCGGCTTCAGCTTTGAAGCATCTGGTCCAGGGAATTTCTTT  
 TTTCAATTTGGC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG204154 representing NM\_003315  
 Red=Cloning site Green=Tags(s)

MAAAAECDVVMAATEPELLDDQEAKREAEETFKEQGNAYYAKKDYNEAYNYTKAIDMCPKNASYYGNRAA  
 TLMMLGRFREALGDAQSVRLDDSFVRGHLREGKCHLSLGNMAACRSFQRALELDHKNAQAQEFKNAN  
 AVMEYEKIAETDFEKRFKRVVFCMDRALEFAPACHRFKILKAECLAMLGRYPEAQSVASDILRMDSTNA  
 DALYVRGLCLYYEDCIEKAVQFFVQALRMAPDHEKACIACRNAKALKAKKEDGNKAFKEGNYKLAYELYT  
 EALGIDPNNIKTNAKLYCNRGTVNSKLRKLDIAIEDCTNAVKLDDTYIKAYLRRACQYMDTEQYEEAVRD  
 YEKVYQTEKTKHKQLLKNQLELKKSKRKDYKILGVDKNASEDEIKKAYRKRALMHPDRHSGASAEV  
 QKEEEKKFKVEGEAFTILSDPKKKTRYDSGQDLDEEGMNMGDFDPNNIFKAFFGGPGGFSFEASGPGNFF  
 FQFG

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_003315

**ORF Size:** 1482 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\\_003315.4](#)

**RefSeq Size:** 1756 bp

**RefSeq ORF:** 1485 bp

**Locus ID:** 7266

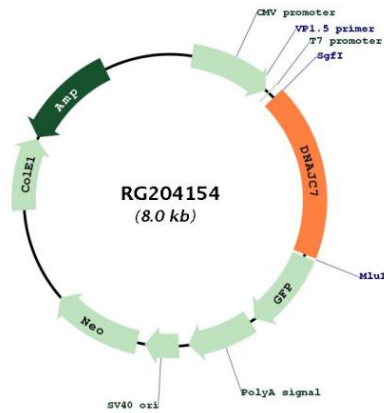
**UniProt ID:** [Q99615](#)

**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]

**Product images:**



Circular map for RG204154