

Product datasheet for **RC214348**

DNAJC21 (NM_194283) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAJC21 (NM_194283) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DNAJC21
Synonyms:	BMFS3; DNAJA5; GS3; JJJ1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RC214348 representing NM_194283
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGTGTCACTATGAGGCGCTGGGGTGC GGCGCACGCCAGCGAGGAGAGCTCAAGAAGCCATC
 GGAAGCTGGCCCTGAAATGGCACCCGATAAAAATCTGGATAATGCCGCAGAAGCAGCTGAACAATTTAA
 ATTAATCCAAGCAGCATATGATGTGTTGAGTGACCCTCAGGAAAGAGCATGGTATGATAATCATAGAGAG
 GCCCTACTTAAAGGTGGTTTGATGGCGAATATCAAGTACAGCTTAGATTTGCTACGCTATTTCCACC
 TTACCTGTTATTCTGTTATGGAGATGATGAAAAGGGATTTTACACGGTGTATCGTAATGTTTTTGAAT
 GATTGCCAAGGAAGAACTAGAATCTGTGTAGAGGAAGAGTTGATGATTTCCCACTTTTGAGACTCC
 CAGAGTGACTATGATACGGTAGTCCATCCTTTCTACGCTTATTGGCAGAGTTTCTGCACTCAAAGAATT
 TTGCATGGAAGGAAGAATATGATACACGACAGGCTTCAAACCGCTGGGAAAAACGAGCCATGAAAAAGA
 AAACAAAAGATTCCGGGACAAAGCAAGGAAAGAGAAGAATGAGCTTGCCGTGAGCTGGTAGCTTTTCATT
 CGTAAAAGAGATAAAGAGTGCAGGCGCATCGAAAACCTTGTGGAAGAACAGAATCGAGAGAAGGCGAGGA
 AAGCCGAAGAGATGAGGCGGCAGCAGAAGCTAAAGCAGGCCAAACTGGTGGAGCAGTACAGAGAACAGAG
 CTGGATGACTATGGCAAATTTGGAGAAAGAGCTCCAGGAGATGGAGGCACGGTACGAGAAGGAGTTTGG
 ATGGATCGGATGAAAATGAAATGGAAGAACATGAACTCAAAGATGAGGAGGATGGTAAAGACAGTGATG
 AGGCCGAGGACGCTGAGCTCTATGATGACCTTTACTGCCAGCATGTGACAAATCGTTCAAGACAGAAAA
 GGCCATGAAGAATCACGAGAAGTCAAAGAAGCATCGGGAAATGGTGGCTTGCTAAAACAACAGCTGGAG
 GAGGAAGAAGAAAATTTTCAAGACCTCAAATTTGATGAAAATCCATTAGATGACAATTTGAGGAAGAAA
 TGAAGATGCACCAAAAACAAAAGCTTTCTAAAAAACAGAAGAAAAGAAAACAGAAAACAGCAGGATGT
 ACCTGGCAAAGATTCATATCTGCCTGCAGCTCACTTTTCAGATGGCTTGGGGAAAAAAGTGTGTGGGA
 GAGAGAAGAGATGGAGAGAGCGAGCACAATGTGCCAAAATGTTGCTTGA AAAACAGACAGAATTATGATG
 ACAATTTCAATGTAATGGACCTGGAGAAGGAGTAAAGTTGATCCAGAAGATACTAACTTAAATCAAGA
 CAGTGCCAAAAGATTGGAAGATAGTCCCAGGAAAATGTCAGTGTACAGAGATCATTAAACCATGTGAT
 GATCCAAAAGTGAAGCTAAAAGTGTCTAAACCCAAAGGAAAAGAAAACCAAAGATGAAAAAACCTG
 TCAGAGTACCTGTGAACCACAAACAATGAGTGTCTTATCAGCTGTACAACCTGCCATAGTGAATTTCC
 ATCTCGGAATAAACTTTTGACCATCTAAAGGCCACAGGTCATGCAAGAGCACCTTCATCATCGTCTTTA
 AACAGCGCAACAAGTAGTCAAAGCAAGAAGAGAAAACGTAAAAACAGA

ACGCGTACGCGGCCGCTCGAGCAGAAAAC**CT**ATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC214348 representing NM_194283
 Red=Cloning site Green=Tags(s)

MKCHYEALGVRDASEEELKKAYRKLALKWHPDKNLDNAEEAAEQFKLIQAAAYDVLSDPQERAWYDNHRE
 ALLKGGFDGEYQDSDLRLRYFTVTCYSYGDDEKGFYTVYRNVFEMIAKEELESVLEEEVDDFPFTFGDS
 QSDYDVTVVHPFYAYWQSFCTQKNFAWKEEYDTRQASNRWEKRAKENKKIRDKARKEKNELVRQLVAFI
 RKRDKRVAHRKLVVEEQNAEKARKAAEMRRQQLKQAKLVEQYREQSWMTMANLEKELQEMEARYEKEFG
 DGSDENEMEEHELKDEEDGKDSDEAEDAELYDDL YCPACDKSFKTEKAMKNHEKSKKHREMVALLKQOLE
 EEEENFSRPQIDENPLDDNSEEMEDAPKQKLSKKQKQKQKPAQDVPKDSYLPAAHFQMAWGKCVLG
 ERRDGESEHKCAKMLLENRQNYDDNFVNGPGEVGVKVPEDTNLNQDSAKELEDSPQENVSVTEI IKPCD
 DPKSEAKSVPKPKGKTKDMKPVVRVPAEPQTM SVLISCTTCHSEFP SRNKLFDHLKATGHARAPSSSSL
 NSATSSQSKKEKRKNR

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDK**V**

Restriction Sites:

Sgfl-MluI

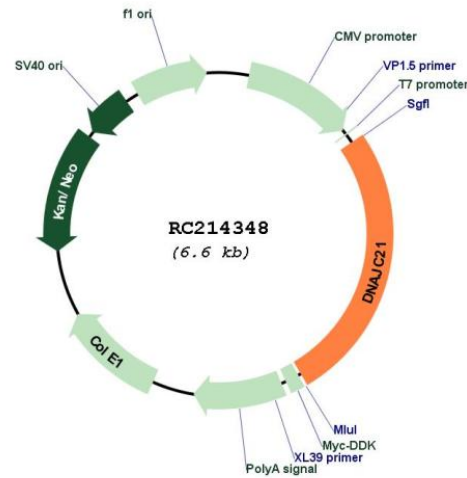
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_194283
 ORF Size: 1728 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:	<ol style="list-style-type: none">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_194283.4
RefSeq Size:	6218 bp
RefSeq ORF:	1731 bp
Locus ID:	134218
UniProt ID:	Q5F1R6
Cytogenetics:	5p13.2
MW:	67 kDa
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 precursor 45S ribosomal RNA and may be involved in early nuclear ribosomal RNA biogenesis and maturation of the 60S ribosomal subunit. Mutations in this gene result in Bone marrow failure syndrome 3. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Feb 2017]