

Product datasheet for **SC307582**

DNAJC21 (NM_194283) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAJC21 (NM_194283) Human Untagged Clone
Tag:	Tag Free
Symbol:	DNAJC21
Synonyms:	BMFS3; DNAJA5; GS3; JJJ1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_194283, the custom clone sequence may differ by one or more nucleotides

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ATGAAGTGTCACTATGAGGCGCTGGGGGTGCGGCGGACGCCAGCGAGGAGGAGCTCAAG
AAGGCCTATCGGAAGCTGGCCCTGAAATGGCACCCGATAAAAAATCTGGATAATGCCGCA
GAAGCAGCTGAACAATTTAAATTAATCCAAGCAGCATATGATGTGTGAGTGACCCTCAG
GAAAGAGCATGGTATGATAATCATAGAGAGGCCCTACTTAAAGGTGGGTTTGTATGGCGAA
TATCAAGATGACAGCTTAGATTTGCTACGCTATTTACCGTTACCTGTTATTCTGGTTAT
GGAGATGATGAAAAGGGATTTTACACGGTGTATCGTAATGTTTTTGAATGATTGCCAAG
GAAGAAGTGAATCTGTGTTAGAGGAAGAGGTTGATGATTTCCCAACTTTTGGAGACTCC
CAGAGTGACTATGATACGGTAGTCCATCCTTTCTACGCTTATTGGCAGAGTTTCTGCACT
CAAAAGAATTTTGCATGGAAGGAAGAATATGATACACGACAGGCTTCAAACCGCTGGGAA
AAACGAGCCATGGAAAAAGAAAACAAAAGATTGCGGACAAAGCAAGGAAAGAGAAGAAT
GAGCTTGTCCGTGAGCTGGTAGCTTTTCATTCGTAAGAGATAAAAGAGTGCAGGCGCAT
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CAGCAGAAGCTAAAGCAGGCCAACTGGTGGAGCAGTACAGAGAACAGAGCTGGATGACT
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GATGGATCGGATGAAAATGAAATGGAAGAACATGAACTCAAAGATGAGGAGGATGGTAAA
GACAGTGATGAGGCCGAGGACGCTGAGCTCTATGATGACCTTTACTGCCAGCATGTGAC
AAATCGTTCAAGACAGAAAAGGCCATGAAGAATCACGAGAAGTCAAAGAAGCATCGGAA
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ATTGATGAAAATCCATTAGATGACAATTCTGAGGAAGAAATGGAAGATGCACCAAAACAA
AAGCTTTCTAAAAACAGAAGAAAAGAAAACAGAAACCAGCACAGGATGTACCTGGCAAA
GATTCATATCTGCCTGCAGCTCACTTTTCAGATGGCTTGGGAAAAAAGTGTGTGGGA
GAGAGAAGAGATGGAGAGAGCGAGCACAAATGTGCCAAAATGTTGCTTGAACAGACAG
AATTATGATGACAATTTCAATGTAATGGACCTGGAGAAGGAGTAAAGGTTGATCCAGAA
GATACTAACTTAAATCAAGACAGTGCCAAAGAATTGGAAGATAGTCCCCAGGAAAATGTC
AGTGTCACAGAGATCATTAAACCATGTGATGATCCAAAAGTGAAGCTAAAAGTGTTCCT
AAACCCAAAGGAAAGAAAACCAAGATATGAAAAACCTGTCAGAGTACCTGCTGAACCA
CAAACAATGAGTGTCTTATCAGCTGTACAACCTGCCATAGTGAATTTCCATCTCGGAAT
AACTTTTGGACCATCTAAAGGCCACAGGTCATGCAAGAGCACCTTCATCATCGTCTTTA
AACAGCGCAACAAGTAGTCAAAGCAAGAAAGAGAAACGTAACCAACAGATAG

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Restriction Sites:	Please inquire
ACCN:	NM_194283
OTI Disclaimer:	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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_194283.3, NP_919259.3</u>
RefSeq Size:	6218 bp
RefSeq ORF:	1731 bp
Locus ID:	134218
UniProt ID:	<u>Q5F1R6</u>
Cytogenetics:	5p13.2
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] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).