

Product datasheet for **SC108729**

DNAJC6 (NM_014787) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAJC6 (NM_014787) Human Untagged Clone
Tag:	Tag Free
Symbol:	DNAJC6
Synonyms:	DJC6; PARK19
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC108729 sequence for NM_014787 edited (data generated by NextGen Sequencing)

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ATGAAAGATTCTGAAAATAAAGGTGCCTCATCTCCAGACATGGAGCCCAGCTATGGGGGA
GGTCTCTTTGACATGGTAAAAGGAGGTGCAGGGAGGCTCTTTAGTAACCTAAAGGACAAC
TTGAAAGACACCCCTCAAAGACACATCTTCTAGAGTGATAAATCTGTGACCAGCTACACA
AAGGGAGATTTAGACTTCACTTATGTTACCTCCAGAATTATTGTGATGTCCTTTCCCTCTG
GACAATGTTGACATAGGATTCAGGAATCAGGTTGATGACATTGCAAGCTTTTTGGATTCC
AGACATCTTGACCACTACACAGTATACAATCTGTACCTAAGTCTTATCGAACTGCCAAG
TTTCACAGCCGGTCTCAGAATGCAGTTGGCCATTAGGCAGGCTCCAGTCTGCACAAC
CTTTTTGCTGTGTGTCGGAATATGTATAACTGGCTACTGCAGAATCCCAAAAATGTCTGT
GTTGTCCACTGCTTGGATGGACGGGCGGCATCATCAATTCTGGTGGTGTATGTTTCATT
TTCTGTAATCTCTACTCTACTCTGGCCAGCCATTGCTATATGCAAAGCGACCA
GGAATTGGACTTTCACCATCCCATAGGAGATACCTGGGCTATATGTGTGACCTACTGGCA
GACAAGCCCTACCGCCCTCACTTCAAGCCTCTCACAATTAAGTCGATCACTGTCAGTCCA
ATACCCTTTTTCAACAAACAGAGGAATGGATGTCGCCCTTACTGTGATGTAATCATTGGA
GAAACCAAAATATATTGACTTGACAGATTTTGAACGAATGAAAGAATATCGTGTCCAA
GATGGA AAAATCTTCAATCCCTTGAACATCACTGTGCAAGGAGACGTGGTTGTTCCATG
TATCACTTGAGGTCAACCATTGGGAGCCGGCTACAGGCTAAGGTGACCAACACACAGATA
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ACGCTGGCCTTAGGAGGACAGGCTCCAATAGATATCCCTCCAGACAACCCAGGCATTAC
GGACAAAAGTGGTTTCTTTGCCTCTCTGTTGGCAAGATCAGAAAATCGGAGAAAGTATTCT
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CGCGCTCTGCCACCTCCACCTCTGCGTCTCAACCCTAAGAGTGGGAGAAGGTGCCACC
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TGGCATGCTAAACCAGGAGGCTTTGGAATGGGAAGCAAGTCAAGTGCACCCAGCCCAACC
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CATACCGTACTATGGGCTGGGAGACCAAGTGGAAACAGTTGGCATGGCAGACCTGGTA
ACACCAGAGCAGGTGAAGAAGGTGTACAGGAAGGCTGTCTGGTGGTGCACCCAGATAAA
GCTACTGGGCAACCTATGAACAATACGCAAAGATGATTTTTCATGGAGCTCAATGATGCC
TGCTGTAATTTGAAAACCAAGGCCAAAAGCCCTTATATTTAA

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Clone variation with respect to NM_014787.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014787 unedited
 CCGGTCACCATTGTAAACGACTCATATAGGCGGCCTGCGAATCGGCACGAGGGGAAGCA
 GAGAAGAAAGATCTGAAAATAAAGGTGCCTCATCTCCAGACATGGAGCCCAGCTATGGGG
 GAGGTCTCTTTGACATGGTAAAAGGAGGTGCAGGGAGGCTCTTTAGTAACCTAAAGGACA
 ACTTGAAGACACCCTCAAAGACACATCTTCTAGAGTGATACAATCTGTGACCAGCTACA
 CAAAGGGAGATTTAGACTTCACCTTATGTTACCTCCAGAATTATTGTGATGCCTTTTCCTC
 TGGACAATGTTGACATAGGATTCAGGAATCAGGTTGATGACATTGGAAGCTTTTTGGATT
 CCAGACATCTTGACCACTACACAGTATACAATCTGTACCTAAGTCTTATCGAACTGCCA
 AGTTTCACAGCCGGGTCTCAGAATGCAAGTTGGCCATTAGGCAGGCTCCCAGTCTGCACA
 ACCTTTTTGCTGTGTGTCGGAATATGTATAACTGGCTACTGCAGAATCCCAAAAATGTCT
 GTGTTGCCACTGCTTGGATGGACGGGCGGCATCATCAATTCTGGTTGGTGTATGTTCA
 TTNTCTGTAATCTCTACTCTACTCTGGCCAGCCATTGATTGCTATATGCAAAGCGAC
 CAGGAATTGGACTTTACCATCCATAGGAGAATACCTGGCTATATGTGTGACCTACTGN
 CAGACAAGCCCTACCGGCTCATTTCAGCCTTTCACAGTAAGTCGACACTGTCAGTCCAT
 ACCCTTTTTTCAACAACANAGAAGTGGATGTCCCCTACCTGGGAGTACTCATGGAGAA
 ACCAAAAATATCAACTGCCAAAAATTTGAACA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014787 unedited
 CAGGCCAGGAAAAGCACTGGGGAGGGTACAGGGATGCCACCCGGGATCTGTTCCAGGAA
 ACAGCTATGACCGCGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTGA
 ACCTTTTAAATACATTACAAAATTTTTAGACCAATCACATTTTGTGTAACATATTTAC
 AAAACAAAAAATATATTACAATAAATATGATGAAACAGTGAATCTGATCAACAACAAGCT
 TTGTCACAACCAGTTATTTAAAAGGAATGCAAAGACCTGTTGGTCTGCATATATTAAGAG
 TTTTGAGATAAATAGGGTCCAGAATTAAATGTATCCGAAAAGAGATGTGGGGGAAAA
 TCTCCAAATTTAAGTAAGATTCTTTCTCATTGTAATTACATAATGTTTAAATGATGTTTTA
 AACTGTGAACATTGATGAATTATCCAAACATGATACAAAGCTAATGTAGTTCTATCATT
 CAAAATACGTGACATCCACAGAATATCCTTTTAAATGTTATCATTATATACTGTAGTTCA
 CACAATATCTACAAATGTGAATGAGAAAAGAAAAACAGGTCACAGCAACATGTCTCACATT
 CCAATTTTAAATAAGACAAGCACATACTGGATCAAACATTATTTTATAATACGTTAATAA
 ATAACANCCTAGTTTGTATGGTTACCTTGAACAGTTTATGACTGTATATTTAAAAAGAG
 AACATTTTCTTCGAGTTTACATTGTCTAGTAAAAGGTAATAAATAATATGAACTTTTACA
 NNNACAACAACANACAAGAAGAGAAGAGATCTATGTAGAACCCTAAAAGTTTTTGGACA
 TGCGCTTTTCGGTATAGCTTGCACAGAAAAGTAAACAAAACAAAAATGATTGCTTTCAAAC
 AACTTTAAAGCNTTCACATATGAGCTGACCTTTGAGATANCTGAAAATCTTTGCCATCGC
 TGGGGAATATTAATTAGATAAGGCTGGTTGTGCCCAAGAACTCTAGTCAGATACACTG

Restriction Sites:

NotI-NotI

ACCN:

NM_014787

Insert Size:

5820 bp

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).

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_014787.2](#), [NP_055602.1](#)

RefSeq Size: 5750 bp

RefSeq ORF: 2742 bp

Locus ID: 9829

UniProt ID: [O75061](#)

Cytogenetics: 1p31.3

Domains: Dnaj

Protein Families: Druggable Genome

Protein Pathways: Endocytosis

Gene Summary: DNAJC6 belongs to the evolutionarily conserved DNAJ/HSP40 family of proteins, which regulate molecular chaperone activity by stimulating ATPase activity. DNAJ proteins may have up to 3 distinct domains: a conserved 70-amino acid J domain, usually at the N terminus, a glycine/phenylalanine (G/F)-rich region, and a cysteine-rich domain containing 4 motifs resembling a zinc finger domain (Ohtsuka and Hata, 2000 [PubMed 11147971]).[supplied by OMIM, Mar 2008]

Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.