

Product datasheet for **SC322522**

DNAJB4 (NM_007034) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAJB4 (NM_007034) Human Untagged Clone
Tag:	Tag Free
Symbol:	DNAJB4
Synonyms:	DjB4; DNAJW; HLJ1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322522
 GAGACGCTGTCTGCTTGCCTTAAGACAGCTAGCTGAATTGCTGATTAACCTTTTAAAA
 TACCCAGCTTGGTTTATTTTTCTTAGAATCTGTTGCTAAGACTGGGGACGCTGTTTTCTT
 TTACAAAGGGAATCTAAGTTAATTTCAAGGCATTCGAAATGGGGAAAGACTATTATTGC
 ATTTTGGGAATTGAGAAAGGAGCTTCAGATGAAGATATTAAGGCTTACCGAAACAA
 GCCCTCAAATTTTCATCCGACAAGAACAATCTCCTCAGGCAGAGGAAAAATTTAAAGAG
 GTCCGCAAGCTTATGAAGTATTGAGTGATCCTAAAAAGAGAGAAATATATGATCAGTTT
 GGGGAGGAAGGGTTGAAAGGAGGAGCAGGAGTACTGATGGACAAGGAGGTACCTTCCGG
 TACACCTTTCATGGCGATCCTCATGCTACATTTGCTGCATTTTTCGGAGGGTCCAACCC
 TTTGAAATTTCTTTGGAAGACGAATGGGTGGTGGTAGAGATTCTGAAGAAATGGAAATA
 GATGGTGATCCTTTAGTGCCTTTGGTTTCAGCATGAATGGATATCCAAGAGACAGGAAT
 TCTGTGGGGCCATCCCGCTCAAACAAGATCCTCCAGTTATTCATGAACTTAGAGTATCA
 CTTGAAGAGATATAGTGGTTGTACCAAACGGATGAAGATTTCTCGAAAAAGGCTAAAC
 GCTGATGGAAGGAGTTACAGATCTGAGGACAAAATTTACCATTGAGATTAAGGAGGG
 TGGAAAGAAGGCACCAAAATTACTTTTCCAAGAGAAGGAGATGAAACACCAAAATAGTATT
 CCAGCAGACATTGTTTTATCATTAAAGACAAAGATCATCCAAAATTTAAAGGGATGGA
 TCAAATATAATTTATACTGCTAAAATTAGTTTACGAGAGGCATTGTGTGGCTGCTCAATT
 AATGTACCAACACTGGATGGAAGAAACATACCTATGTCAGTAAATGATATTGTGAAACCC
 GGAATGAGGAGAAGAATTATTGGATATGGGCTGCCATTTCCAAAAATCTCGACCAACGT
 GGTGACCTTCTAATAGAATTTGAGGTGTCCTTCCAGATACTATATCTTCTTCATCCAAA
 GAAGTACTTAGGAAACATCTTCTGCCTCATAGAATGAAGAACTTTGTTACACATATTTT
 GATAAGGCACTGAAAATATAAGGACTGGTAGTTTACTGATGTAGATGTGAATTCTGTA
 TAAAGATGTGAAATTTCTTTGAGGGTTCATTAATTCATGAATAGAGACGGGTCAAAT
 AAATAGGCAAAAAGGATTTTACAGTTAGAGATAAAAGAGAAAACCAATTCATGATTTT
 ATTTCAATTTCTCCTGATTAGATATTTTTAGTAATTTGCTTATATGTAAGTTGTTTTT
 GTGGAGTCAGTGGATATATTTCTAATGAAGTGCTAGACTATCCAATTAATTTCTTA
 TACCTTTAGATAATCAGTATGAAAAGTTCCCATTTATAATGGAATGAAAATTTCTTAAC
 AAATAACATGTAATATGATTTCTAGAAGAGAATAAAACCAAGTCAGTTATTAGAT
 TTAATACCTTCTGAAATGCTGCTATAGGGCTGGTATCTGTAAGAAATATCCTGATGC
 ATCTGTTTACCATTTTGATTTTTAAAGTATGCTGTAGCATTCTTAATAACATCGTTGT
 GATGTTCTTAAGGCAGATCTTTCTCATAAAAGGAAAGTAATGGCAATTTCTCTCCTGT
 GGAAATCCAATGCTTGAATTACTGATTTTTAGAATAGACTTTTTAAATGCCATATG
 TAATTTTATGCAAGTTGACTATATATCTTGTACTTAATAAATTATAGGCTCATTTTGTT
 TCTGCTAGTTTAAAGTAATTCGTTAATAATAGATGTGTTTTAGAGGAAATGCTGTTAC
 TTGGAATTAATTTCCAGTTATACAGTCTTCTATAACTACTAATAATATTCTATATGTA
 CTTTATGTAATTTCCCTAAAAGAATGAACTACCACTACACTATGGTGTTAAACCAAAAT
 ATAGGGAAAATAAACACTAAGTCTGCTTATGGATAATGTTGCAACTACTTGTATGCAT
 ATAAATATTTACTTTTTACATGTATAGATTGCATTTCTTAGGTGTTTTAATTTTTTAA
 ATATATTTATGTTTTAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_007034

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:	<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:	<u>NM_007034.3, NP_008965.2</u>
RefSeq Size:	2250 bp
RefSeq ORF:	1014 bp
Locus ID:	11080
UniProt ID:	<u>Q9UDY4</u>
Cytogenetics:	1p31.1
Domains:	Dnaj, Dnaj_C
Gene Summary:	<p>The protein encoded by this gene is a molecular chaperone, tumor suppressor, and member of the heat shock protein-40 family. The encoded protein binds the cell adhesion protein E-cadherin and targets it to the plasma membrane. This protein also binds incorrectly folded E-cadherin and targets it for endoplasmic reticulum-associated degradation. This gene is a strong tumor suppressor for colorectal carcinoma, and downregulation of it may serve as a good biomarker for predicting patient outcomes. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2015]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (a). Variants 1 and 2 both encode the same isoform (a). 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.</p>