

Product datasheet for **SC127340**

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127340 sequence for NM_007034 edited (data generated by NextGen Sequencing)

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ATGGGGAAAGACTATTATTGCATTTTGGGAATTGAGAAAGGAGCTTCAGATGAAGATATT
AAAAAGGCTTACCGAAAACAAGCCCTCAAATTTTCATCCGGACAAGAACAATCTCCTCAG
GCAGAGGAAAAATTTAAAGAGGTCGCAGAAAGCTTATGAAGTATTGAGTGATCCTAAAAAG
AGAGAAATATATGATCAGTTTGGGGAGGAAGGTTGAAAGGAGGAGCAGGAGGTAAGTACTGAT
GGACAAGGAGGTACCTTCCGGTACACCTTTTCATGGCGATCCTCATGCTACATTTGCTGCA
TTTTTCGGAGGGTCCAACCCCTTTGAAATTTTCTTTGGAAGACGAATGGGTGGTGGTAGA
GATTCTGAAGAAATGAAATAGATGGTGATCCTTTTAGTGCCTTTGGTTTCAGCATGAAT
GGATATCCAAGAGACAGGAATTTCTGTGGGGCCATCCCGCCTCAAACAAGATCCTCCAGTT
ATTCATGAACTTAGAGTATCACTTGAAGAGATATATAGTGGTTGTACCAAACGGATGAAG
ATTTCTCGAAAAAGGCTAAACGCTGATGGAAGGAGTTACAGATCTGAGGACAAAATCCTT
ACCATTGAGATTAATAAGGGGTGAAAAGAGGCACCAAAATTAATTTTCCAAGAGAAGGA
GATGAAACACCAAATAGTATTCCAGCAGACATTGTTTTATCATTAAAGACAAAGATCAT
CCAAAATTTAAAGGGATGGATCAAATATAATTTACTGCTAAAATAGTTTACGAGAG
GCATTGTGTGGCTGCTCAATTAATGTACCAACACTGGATGGAAGAAACATACCTATGTCA
GTAATGATATTGTGAAACCCGGAATGAGGAGAAGAATTATTGGATATGGGCTGCCATTT
CCAAAAATCCTGACCAACGTGGTGACCTTCTAATAGAATTTGAGGTGTCCTTCCCAGAT
ACTATATCTTCTCATCCAAAGAAGTACTTAGGAAACATCTTCTGCCTCATAG
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Clone variation with respect to NM_007034.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_007034 unedited GCACGAGGGAAGGATTGAATACAGAGACGCTGTCTGCTTGCTGCCTAAGACAGCTAGCT GAATTGCTGATTAACCTTTTAAAAATACCCAGCTTGGTTTATTTTTCTTAGAATCTGTTGCT AAGACTGGGGACGCTGTTTTCTTTTACAAAGGGAAATCTAAGTTAATTTCAAGGCATTCCG AAATGGGAAAGACTATTATTGCATTTTGGGAATTGAGAAAGGAGCTTCAGATGAAGATA TAAAAAGGCTTACCGAAAAACAAGCCCTCAAATTCATCCGGACAAGAACAATCTCCTC AGGCAGAGGAAAAATTTAAAGAGGTCGCAGAAGCTTATGAAGTATTGAGTGATCCTAAAA AGAGAGAAA
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_007034 unedited GGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTAAAAACATAAATATATTTAAAAA ATTA AACACCTAAGAAATGCAATCTATACATGTGAAAAAGTAAAAATTTATATGCAT ACAAGTAGTTGCAACATTATCCATAAGCAGCAGTTAGTGTATTTTTCCCTATATTTTG GTTTAAACCCATAGTGTAGTGGTAGTTCATTCTTTTTAGGGAAATTACATAAAGTACATA TAGAATATTATTAGTAAGTTATAGAAGACTGTATAACTGGAAAAATTAATCCAAGTAACA GCATTTCTCTAAAAACACATCTATTATTAACGAATTACTTTAACTAGCAGAGAACAA AATGAGCCTATAATTTATTAAGTACAAGATATATAGTCAACTTGCCATAAAATTACATATG GCATTTTAAAAAGTCTATTCTAAAATATCAGTAATCAAGCAATTGGGATTTCCACAGGA GAGAAATTGCCATTACTTTCTTTTTATGAAGAAAGATCTGCCTAAGAACATCACAACG ATGTTATTAAGAAATGCTACAGCATACTTTAAAAATCAAATGGTGAACAGATGCATCA GGATATCTTTTACAGATACCAGCCCTATAGCAGCATTTCAGAAGGTGATTTAAATCTAA TAACTGACTTGGGTTTTTATTCTCTTAGAAAACATATTACATGTATAGTTTAGTTAAG AATTTTCAATTTCCATTATAAATGGNGAACTTTTCATACTGATTATCTAAAGGTATAAGAA ATTAAGTAATGGATAGCTAGCACTTCTATTAGAATATATCCACTGACTCACAANAACAN NCTTTACATATAGCAATACTAAAATATCTGAATCAGAGAATGAATANANACAGNGAATGG NTTCTTTACTCTACTGTAAATCCCTTTGCTATTATTGACCGCTCTTTCTGCATNNATG ACCTCAAGAATACACTT
Restriction Sites:	NotI-NotI
ACCN:	NM_007034
Insert Size:	2320 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:	<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</u> , <u>NP_008965.2</u>
RefSeq Size:	2250 bp

RefSeq ORF:	1014 bp
Locus ID:	11080
UniProt ID:	Q9UDY4
Cytogenetics:	1p31.1
Domains:	DnaJ, DnaJ_C

Gene Summary:

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]

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.