

## Product datasheet for SC115412

### DNAJB9 (NM\_012328) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DNAJB9 (NM_012328) Human Untagged Clone
Tag:	Tag Free
Symbol:	DNAJB9
Synonyms:	ERdj4; MDG-1; MDG1; MST049; MSTP049
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115412 sequence for NM_012328 edited (data generated by NextGen Sequencing) ATGGCTACTCCCAGTCAATTTTCATCTTTGCAATCTGCATTTTAAATGATAACAGAATTA ATTCTGGCCTCAAAAAGCTACTATGATATCTTAGGTGTGCCAAAATCGGCATCAGAGCGC CAAATCAAGAAGGCCTTTCACAAGTTGGCCATGAAGTACCACCCTGACAAAAATAAGAGC CCAGATGCTGAAGCAAAATTCAGAGAGATTGCAGAAGCATATGAAACACTCTCAGATGCT AATAGACGAAAAGAGTATGATACACTTGGACACAGTGCTTTTACTAGTGGTAAAGGACAA AGAGGTAGTGGAAGTTCTTTTGAGCAGTCATTTAACTTCAATTTTGATGACTTATTTAAA GACTTTGGCTTTTTTGGTCAAACCAAAACACTGGATCCAAGAAGCGTTTTGAAAATCAT TTCCAGACACGCCAGGATGGTGGTTCCAGTAGACAAAGGCATCATTTCCAAGAATTTTCT TTTGGAGGTGGATTATTTGATGACATGTTTGAAGATATGGAGAAAATGTTTTCTTTTAGT GGTTTTGACTCTACCAATCAGCATACAGTACAGACTGAAAATAGATTTTCATGGATCTAGC AAGCACTGCAGGACTGTCACTCAACGAAGGAAATATGGTTACTACATACACTGACTGT TCAGGACAGTAG
	Clone variation with respect to NM_012328.2 183 g=>a



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_012328 unedited  TGATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCTGGCTGAGAGGGGACT  GGGCGCCGGCGGGGAAGGAGGAGCGCTAGGTGGTGTACGACCGAGATTAGGGTGCCTGC  CAGCTCCGGGAGGCCGCGGTGAGGGGCCGGCCAAAGTCCGACCCGAGCCGATCGTCA  GGTCCGACGCGCCTCAGCTCTGTGGAGGAGCAGCAGTAGTCCGAGGGTGCAGGATTA  GAAATGGCTACTCCCCAGTCAATTTTCATCTTTGCAATCTGCATTTTAATGATAACAGAA  TTAATTTGGCCTCAAAAAGCTACTATGATATCTTAGGTGTGCCAAAATCGGCATCAGAG  CGCCAAAATCAAGAAGCCTTTCACAAGTTGGCCATGAAGTACCACCCTGACAAAAATAAG  AGCCAGATGCTGAAGCAAAATTCAGAGAGATTGCAGAAGCATATGAAACACTCTCAGAT  GCTAATAGACGAAAAGAGTATGATACACTTGGACACAGTCTTTTACTAGTGGTAAAGGA  CAAAGAGGTAGTGAAGTTCTTTTGGCAGTCAATTAACCTCAATTTTGTGACTTATTT  AAAGACTTTGGCTNTTTTGGTCAAAACAAAACACTGGATCCAAGAAGCGTTTTGAAAAT  CATTTCCAGACACGCCAGGATGGTGGTCCAGTAGACAAAGGCATCATTTCCAAGATTT  TCTTGTGGAGGTGATTATNTGATGACATGTTTGAAGATATGGAGAAAATGTTTTCTTT  AGTGTNTTTGACTCTACCAATCAGCATACAGTACAGACTGAAAAATAGATTTCATGGATCT  AGCAGCACTGCAGACTGTCACTCAACGAAGAGAAATAATGGTACTACTACACTNGACTG  TCAGNACAGTAGNTCTTATTCTATCCACTAAATCCACTGGTTG</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_012328 unedited  GGTCTTAGCTCTGNNACCGCGGCCGCATNCTAGGATCGAGTTTTTTTTTTTTTTTTTTTCA  GGTTGAAATATTTATATTTCTCTCACATAACAATGTTGTATGAGACACTGTTTTAATAT  GTATCCATAGGATTAATACTCATATGGAGTATAATGTGGAAAAGTGCAGAACTAAAGAAA  TAAGTCTATCCGAAAACAAAAGCACACATTTCTCAGGATTTAAAAATATTGCACATAGTA  AGGTTGCACAGAAATTAAGTGGTGGTTTTACAAACAGAATGAGGTATCAGTCAATCTCTA  GATAAAGATGAGAGAGAGGATAAACTACACACACAAAACACATAAATCCATACTAAGAC  CTAAGAGTGCCAAACAATAAGAAAGAAATATGAAAAGCTATGTAAGTAGCTATGATTTT  AACACTACAAAATCATTTTTAGGCTGGAACCAACACATAACAATCTCTTGGCAATATTT  CGTTAAGTTTTCACTTTTTTCCAGCCTAAATGACTATGGGCAATAAAACCATTTCTTTT  ACCCAGTTCTACTGTAGAAAGGCACAGCGCTGTGGTAAATATCAAACATTCTTTTCTC  AACCTTTCAGTAGCAATTAACCAAGATACTGTTCTCTTACTGAATGACTCAATTATAC  AGTTTCATGTACTCTGCAACGCAAGTCACAGATGTCATAGAACATGCAACTTTGAATT  ATAAAGGTTTCACTGCAAAAACATTTAGGTCACACAATTTAAATCTACATTTAACCTTTA  AGTTTAATCACGTAACCTCAATATTTTCTTGGGAATAATCCTGGTGATATTAGTGAGCCC  AAGGGCAGTACAGAAAGACCCTAGGCAAAATACGTGGTTTTAAAGAACTTTCTAATTAGG  AA</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_012328
<b>Insert Size:</b>	4350 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_012328.1](#), [NP\\_036460.1](#)

**RefSeq Size:** 2371 bp

**RefSeq ORF:** 672 bp

**Locus ID:** 4189

**UniProt ID:** [Q9UBS3](#)

**Cytogenetics:** 14q24.2-q24.3

**Domains:** Dnaj

**Protein Families:** Druggable Genome, Transmembrane

**Gene Summary:** This gene is a member of the J protein family. J proteins function in many cellular processes by regulating the ATPase activity of 70 kDa heat shock proteins. This gene is a member of the type 2 subgroup of Dnaj proteins. The encoded protein is localized to the endoplasmic reticulum. This protein is induced by endoplasmic reticulum stress and plays a role in protecting stressed cells from apoptosis. [provided by RefSeq, Dec 2010]