

Product datasheet for SC116463

DNAJA2 (NM_005880) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAJA2 (NM_005880) Human Untagged Clone
Tag:	Tag Free
Symbol:	DNAJA2
Synonyms:	CPR3; DJ3; DJA2; DNAJ; DNJ3; HIRIP4; PRO3015; RDJ2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116463 sequence for NM_005880 edited (data generated by NextGen Sequencing)

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ATGGCTAACGTGGCTGACACGAAGCTGTACGACATCCTGGCGTCCCGCCGGCGCCAGC
GAGAACGAGCTGAAGAAGGCATACAGAAAGTTAGCCAAGGAATATCATCCTGATAAGAAT
CCAAATGCAGGAGACAAATTTAAAGAAATAAGTTTTGCATATGAAGTACTATCAAATCCT
GAGAAGCGTGAGTTATATGACAGATACGGAGAGCAAGGTCTTCGGGAAGGCAGCGCGGA
GGTGGTGGCATGGATGATATTTCTCTCACATTTTGGTGGGGATTGTTGCGCTTCATG
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GTGCTCTGTAGTGCATGCAGTGGCCAAGCGGAAAGTCTGGAGCTGTCCAAAAGTGTAGT
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CAGATGCAGTCTGTGTGCTCTGATTGTAATGGAGAAGGAGAGGTAATTAATGAAAAAGAC
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GTAGACAAAGGCATGAAACATGGACAGAGAATTACATTCACTGGGGAAGCAGACCAGGCC
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GTTCTAACAATAATTGGAGAAACAGAGGAGGTAGAGCTTCAGGAATTTGATAGCACTCGA
GGCTCAGGAGGTGGTCCAGAGCGTGAAGCCTATAATGATAGCTCTGATGAAGAAAGCAGC
AGCCATCATGGACCTGGAGTGCAGTGTGCCATCAGTAA

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Clone variation with respect to NM_005880.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005880 unedited</p> <pre>GCATTTGTATACGACTACTATAGGCGGCCGCAATTCGGCACGAGGCCCCCTCGCTGTCT CCCTCGGCCTGTGCCGCCGCGACGCCGCTTGTGGGCCGACTCCGCTCTGTCTGCTTCG CCACCTTCTCCCCGAGCACTGCCCGGCCGCGCCATGGCTAACGTGGCTGACACGAAGC TGTACGACATCCTGGCGTCCC GCCCGGCCAGCGAGAACGAGCTGAAGAAGGCATACA GAAAGTTAGCCAAGGAATATCATCCTGATAAGAATCCAATGCAGGAGACAAATTTAAAG AAATAAGTTTTGCATATGAAGTACTATCAAATCCTGAGAAGCGTGAGTTATATGACAGAT ACGGAGAGCAAGGTCTTCGGGAAGGCAGCGCGGAGGTGGTGGCATGGATGATATTTTCT CTCACATTTTTGGTGGGGATTGTTCCGCTTCATGGGCAATCAGAGTAGAAGTCGAAATG GCAGAAGAAGAGGAGAGGACATGATGCATCCACTCAAAGTATCTTTAGAAGATCTGTATA ATGGCAAGACAACCAAATACTTAGCAAGAATGTGCTCTGTAGTGCATGCAGTGGCC AAGCGGAAAAGTCTGGAGCTGTCCAAAAGTGTAGTCTTGTGAGGTGAGGTGTGCGCA TCATGATCAGACAGCTGGCTCCAGGGATGGTACAACAGATGCAGTCTGTGTGCTCTGATT GTAATGGAAAAGGAGAGGTATTAATGAANAAGACCGCTGTANNAATGTGAAGGGAAGA AAGTGATTAAGAAGTCAAGATTCTTGAGTCCACGTAGACAAGGCACTGAACATGGACAG AGAANTACATTCAGTGGGAAGCAGACAGGCCAGGAGTGGAAACCGNAGACATGNTC TTTGCTACAGAGAAGACATGAGGTATTCANAGAGATGGAATGATNGCCATGACTATANA ATAGACTGT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005880 unedited</p> <pre>GGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTACAGGCTATGAA ATTCTTTATTCTATTTGTAGCAGCTTATGCAGGTGCAGCCAAACACAAAGCTTCAGGACA AATTGTACAACTTTACAATGTGGGATTTAAATTTAAAATATGAAACATAAAAATCTACA CAAACCTGATAAAAATCAAGCACAGATACCAGGATTGAAACTTATAATAATCCATGTGTG AAAGGGAGTCTTGTTTCCTTTCAAGTGCTTTATTCTGCTATGGAACAGTCAAATGAAGA TGTAAGCTTTGTGGTTAGTTAAATTATACACTCTGTAGATACTATACCAATTTAAAA GTTATACATAGACCAACAGATGTCCCTCAGTTCATCTGGATTGATAAGACACTCCAGCTG GATTGCTGAGAACAAATCAGGCAAAATGTGGAAAGAAAATCCACCTGTGCAATTTGTTTC AGAGTTTACTGATGGGCACACTGCACTCCAGGTCCATGATGGCTGCTGCTTTCTTCATCA GAGCTATCATTATAGGCTTCACGCCTCTGACCACCTCTGAGCCTCGAGTGTATCAAAT TCCTGAAGCTCTACCTCCTCTGTTTCTCCAATTATGTTAGGAATCCGGTCTAGATGGC AGAAGATCTTCTAGTTCAAAAAGCTTGTCTGGTTGATCCAGTTGTTTTAGGAAACTGC CCATCAAACCTTTATGTAAGATCACCTTTTTCAAAGGGATACGATACTGCGGCATCCCT TCACTTGAACACACGAACCACCTGGGTCAATACTTTGCCAGGGGGTATTTCCACAAT CTGACGTCCATCAGGGGCTTAATTGTGACTGTAATCCACTGAGCTTCAACAGTCAATTTA ATGCATGGCAATCATCCATTTTTGAAAACATGTTTTTCTCTTGACAAGACATGTTTC CGGTCCCTCTGGGCCGTTTG</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_005880
Insert Size:	1900 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_005880.2](#), [NP_005871.1](#)

RefSeq Size: 1993 bp

RefSeq ORF: 1239 bp

Locus ID: 10294

UniProt ID: [O60884](#)

Cytogenetics: 16q11.2

Domains: DnaJ_CXXCXGXG, DnaJ, DnaJ_C

Gene Summary: The protein encoded by this gene 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. The product of this gene works as a cochaperone of Hsp70s in protein folding and mitochondrial protein import in vitro. [provided by RefSeq, Jul 2008]