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Product datasheet for SC325855

DNAJB5 (NM_001135004) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAJB5 (NM_001135004) Human Untagged Clone
Tag:	Tag Free
Symbol:	DNAJB5
Synonyms:	Hsc40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>SC325855 representing NM_001135004.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGCGGCGCGGAGGCGGAGCCGTGGGGGCGGGCTCCCGGTCCCGCTATCGGCGGCCGGCGGGCAGGC
GACTCCTGTCCCGGGTGGAGGCGGCGGAGCCGGAGCCGGGGGAGGGGGCAGCGGCTGTCTCACGGACCA
CGGCGGCGCCCGCAGCTCCTCACCGCAGCACCCCCACTGCAGGCCCGAGGAGCTTTCCGGAGCTTCCCA
CACTCCTGGGGAGAAGACTTCTTAGCCAGCTTGATGTTTAAAATTCAGCTGGAGCCCTTAAAACTTCGA
GCGTGGACGCTGAATGGGTTTGTAAAGTTTCGAAACAAGGAGACCAGTGCTGGTCCAGTGGCTGTGATG
GGAAAAGATTATTACAAGATTCTTGGGATCCCATCGGGGGCCAACGAGGATGAGATCAAGAAAGCCTAC
CGGAAGATGGCCTTGAAGTACCACCCAGACAAGAATAAAGAACCCAACGCTGAGGAGAAGTTTAAGGAG
ATTGCAGAGGCCTATGATGTGCTAAGTGACCCCAAGAAACGGGGCCTGTATGACCAGTATGGGGAGGAA
GGCCTGAAGACCGGCGGTGGCACATCAGGTGGCTCCAGTGGCTCCTTTCACTACACCTTTCATGGGGAC
CCCCATGCCACCTTTGCCTCCTTCTTTGGTGGCTCCAACCCCTTCGATATCTTCTTTGCCAGCAGCCGC
TCCACTCGGCCCTTCAGTGGCTTTGACCCAGATGACATGGATGTGGATGAAGATGAGGACCCATTTGGC
GCTTTCGGCCGTTTTGGCTTCAATGGGCTGAGTAGGGGTCCAAGGCGAGCCCCAGAACCACTGTACCCT
CGGCGCAAGGTGCAGGACCCCCCAGTGGTGCACGAGCTGCGGGTGTCCCTGGAGGAGATCTACCATGGC
TCCACCAAGCGCATGAAGATCACAAGGCGTCGCCTCAACCCTGATGGGCGAACTGTGCGCACCGAGGAC
AAGATCCTGCACATAGTCATCAAGCGTGGCTGGAAGGAAGGCACCAAGATCACCTTCCCCAAAGAAGGC
GACGCCACACCTGACAACATCCCTGCTGACATCGTCTTTGTGCTCAAAGACAAGCCCCATGCACACTTC
CGCCGAGATGGCACCAACGTGCTCTACAGTGCCCTGATCAGCCTCAAGGAGGCGCTGTGTGGCTGCACT
GTGAACATTCCCACTATCGACGGCCGAGTGATCCCTTTGCCCTGCAATGATGTCATCAAGCCAGGCACC
GTGAAGAGACTCCGTGGGGAGGGCCTTCCCTTCCCCAAAGTGCCAACTCAGCGAGGAGACCTCATTGTT
GAGTTCAAAGTTCGCTTCCCAGACAGATTAACACCACAGACAAGACAGATCCTTAAGCAGCACCTACCC
TGTTCCTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_001135004

Insert Size: 1389 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).

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:	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_001135004.2
RefSeq Size:	2610 bp
RefSeq ORF:	1389 bp
Locus ID:	25822
UniProt ID:	O75953
Cytogenetics:	9p13.3
MW:	51.7 kDa
Gene Summary:	This gene encodes a member of the DNAJ heat shock protein 40 family of co-chaperone proteins. The encoded protein contains an N-terminal DNAJ domain and a C-terminal substrate binding domain but lacks the cysteine-rich domain found in other DNAJ family members. In mice, a multi-protein complex containing this protein, thioredoxin 1, and histone deacetylase 4, serves as a master negative regulator of cardiac hypertrophy. [provided by RefSeq, Mar 2017] Transcript Variant: This variant (2) This variant (2) encodes the longest isoform (2). 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.