

Product datasheet for **SC324349**

HSPA12B (NM_052970) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSPA12B (NM_052970) Human Untagged Clone
Tag:	Tag Free
Symbol:	HSPA12B
Synonyms:	C20orf60
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_052970, the custom clone sequence may differ by one or more nucleotides

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ATGTTGGCTGTCCCGGAGATGGGCCTGCAGGGGCTGTACATCGGCTCCAGCCCGAGCGGTCCCCAGTGC
CTAGCCCACCCGGCTCCCGAGGACCCAGGAAAGCTGCGGCATTGCCCCCTCACACCTCGCAGTCTCC
AAAACCCGAGGTCGAGCCCCCAGCAGGCCTCCTTCTGTGGTGGTGGCCATTGACTTCGGCACCACG
TCTAGTGGCTATGCTTTTCACTTTGCCAGTGACCCTGAGGCCATCCACATGATGAGGAAATGGGAGGGCG
GAGACCCGGGCGTGGCCACCAGAAGACCCGACCTGCCTGCTGCTGACTCCGGAGGGCGCCTTCCACAG
CTTTGGCTACACCGCCGCGATTACTACCATGACCTGGACCCGAAGAGGCGGGGACTGGCTCTACTTC
GAGAAGTTCAGATGAAGATCCACAGCGCCACGGATCTCACCTTGAAGACCCAGCTAGAGGCAGTAAATG
GAAAGACGATGCCCGCCCTGGAGGTGTTGCGCCATGCCCTGCGCTTCTTCAGGGAGCAGCCCTTCAGGA
GCTGAGGGAGCAGAGCCCATCGCTGCCAGAGAAGGACACTGTGCGCTGGGTGTTGACGGTGCCTGCCATC
TGGAAACAGCCAGCCAAGCAGTTCATGCGGGAGGCTGCCTACCTGGCTGGACTAGTGTCCGAGAGAATG
CAGAGCAGCTACTCATCGCCCTGGAGCCGAGGCGCCTCGGTATACTGCCGAAGTGCCTGCACCA
GCTCCTGGACCTGAGTGGCCGGGCCAGGTGGTGGGCGCCTGGGTGAGCGCCGCTCCATCGACTCCAGC
TTCGTCAGGCTCGGGAGCAGCTGCGAAGTCCCGCCACAGCCGACGTTCTGGTGGAGTCAGGCGTAG
GAGAGCTGTGGGCAGAGATGCAAGCAGGAGACCCTACGTGGTGGCCGACTGCGGCGGAGGCACCGTGG
CCTGACGGTGCACCAGCTGGAGCAGCCCATGGCACCCCTCAAGGAGCTCTACAAGGCATCTGGGGCCCT
TATGGCGCGTGGGCGTGGACCTGGCCTTCGAGCAGCTGCTGTGCCGATCTTCGGCGAGGACTTCATCG
CCACCTTCAAAGGCAACGGCCGGCAGCCTGGGTAGATCTGACCATCGCCTTCGAGGCTCGCAAGCGCAC
TGCTGGCCACACCGTGCAGGGGCGCTCAACATCTCGTGCCTTCTCCTTCAATTGACTTCTACCGCAAG
CAGCGGGGCCACAACGTGGAGACCGCTTGCAGCAGGAGCAGCGTGAAGTTCGTGAAGTGGTCTCACAGG
GGATGCTCCGAATGTCTTGTGAAGCCATGAACGAGCTCTTTCAGCCACCGTCAAGGGGATCATCCAGCA
CATAGAGGCCCTGCTGGCACGGCCGAGGTGCAGGGTGTGAAGTGTGTTCTAGTGGGCGGCTTCGCC
GAGTCAGCGGTGCTGCAGCACGCGGTGCAGGCGCGCTGGGCGCCCGGCTGCGTGTGTTGTTCCCGC
ACGACGTGGGCTCACCATCCTCAAAGGCGCGTGTGTTGCGCCAGGCGCCGGGCGTGGTGCGGTCCG
CCGCTCGCCGCTCACCTATGGCGTGGGCGTGTCAACCGCTTGTGCTGGGCGCCACCCGCCGAAAAG
CTGCTGGTTCGCGACGGCCGCGCTGGTGCACCGACTTTCGAGCGCTTCGTGGCCGCGAGCAGTCGG
TGGCCCTGGGCGAGGAGTGCAGGCGAGTACTGCCGCGCGTCCCGCCAGCGCGCGTACTCATCAA
CCTGTACTGCTGCGCGGAGAGGATGCGCGCTTACATACCGACCCGGCGTGCAGAAATGCGGCGCGCTC
AGCCTCGAGTTGAGCCCGGACTGCGGCCAGGACACCGCCGGCGCGCTCCCGCCCGCGGAGATCC
GCGCCGCATGAGTTTGGCGACACCGAAATTAAGGTCACCGCCGTCGAGCTCAGACCAATCGCTCCGT
GCGCGCTCCATCGACTTCTTTCCAAGTGA
    
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- Restriction Sites:** Please inquire
- ACCN:** NM_052970
- 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_052970.3](#), [NP_443202.3](#)

RefSeq Size: 3109 bp

RefSeq ORF: 2061 bp

Locus ID: 116835

UniProt ID: [Q96MM6](#)

Cytogenetics: 20p13

Gene Summary: The protein encoded by this gene contains an atypical heat shock protein 70 (Hsp70) ATPase domain and is therefore a distant member of the mammalian Hsp70 family. This gene may be involved in susceptibility to atherosclerosis. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).