

Product datasheet for **SC335200**

TID1 (DNAJA3) (NM_001286516) Human Untagged Clone

Product data:

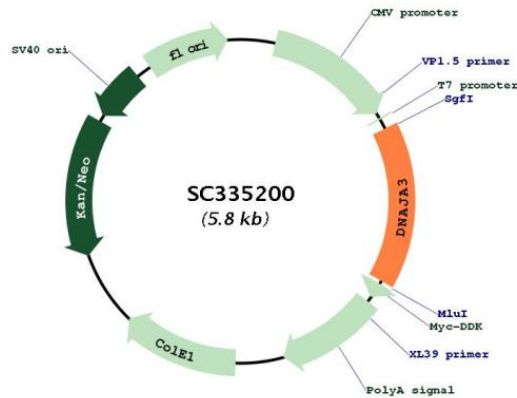
Product Type:	Expression Plasmids
Product Name:	TID1 (DNAJA3) (NM_001286516) Human Untagged Clone
Tag:	Tag Free
Symbol:	DNAJA3
Synonyms:	HCA57; hTID-1; TID1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335200 representing NM_001286516. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTGAGCCGCAAGCTGAGCGTCCCCGCTTTGCGTCTCCCTGACCTCTTGGGCCCCGAGCGCT
GCTGACATTGAGACCTGGTGTGACGCTTACAGGAAGATCTTTGGCGAGTTCTCATCCTCTTCATTGGGA
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GACGAGACAGATGTGGAGGGGACGGTGAACGGCGTCACCCTCACCAGCTCTGAAAAAGATCCACTGGA
AACTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001286516

Insert Size: 903 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_001286516.1](#)

RefSeq Size: 2314 bp

RefSeq ORF: 903 bp

Locus ID: 9093

UniProt ID: [Q96EY1](#)

Cytogenetics: 16p13.3

MW: 33.1 kDa

Gene Summary: This gene encodes a member of the DNAJ/Hsp40 protein family. DNAJ/Hsp40 proteins stimulate the ATPase activity of Hsp70 chaperones and play critical roles in protein folding, degradation, and multimeric complex assembly. The encoded protein is localized to mitochondria and mediates several cellular processes including proliferation, survival and apoptotic signal transduction. The encoded protein also plays a critical role in tumor suppression through interactions with oncogenic proteins including ErbB2 and the p53 tumor suppressor protein. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2011]

Transcript Variant: This variant (3) lacks a segment in the 5' end and an alternate exon in the 3' end compared to variant 1. The resulting isoform (3) has shorter and distinct N- and C-termini compared to isoform 1.