

## Product datasheet for RC237306

### TID1 (DNAJA3) (NM\_001286516) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TID1 (DNAJA3) (NM\_001286516) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** TID1  
**Synonyms:** HCA57; hTID-1; TID1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC237306 representing NM\_001286516  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCTGAGCCGCAAGCTGAGCGTCCCCGCCTTTGCGTCTCCCTGACCTCTTGC GGCCCCGAGCGCTG  
 CTGACATTGAGACCTGGTGTGAGCCTTACAGGAAGATCTTTGGCGAGTTCTCATCCTCTTCAATTTGGAGA  
 TTTCCAGACCGTGTGATCAGCCTCAGGAATACTTTCATGGAGTTGACATTCAATCAAGCTGCAAAGGGG  
 GTCACAAAGGAGTTCACCGTGAACATCATGGACACGTGTGAGCGCTGCAACGGCAAGGGGAACGAGCCCC  
 GCACCAAGGTGCAGCATTGCCACTACTGTGGCGCTCCGGCATGGAAACCATCAACACAGGCCCTTTTGT  
 GATGCGTTCCACGTGTAGGAGATGTGGTGGCCGGCTCCATCATATCGCCCTGTGTGGTCTGCAGG  
 GGAGCAGGACAAGCCAAGCAGAAAAAGCGAGTGATGATCCCTGTCCCTGCAGGAGTCGAGGATGGCCAGA  
 CCGTGAGGATGCCTGTGGGAAAAAGGAAATTTTATTACGTTACAGGTCAGAGGTCAGAAAAAGCCCTGTGTTCCG  
 GAGGGACGGCGCAGACATCCACTCCGACCTCTTATTTCTATAGCTCAGGCTCTTCTTGGGGGTACAGCC  
 AGAGCCCAGGGCCTGTACGAGACGATCAACGTGACGATCCCCCTGGGACTCAGACAGACCAGAAGATTC  
 GGATGGTGGGAAAGGCATCCCCGGATTAACAGCTACGGCTACGGAGACCACTACATCCACATCAAGAT  
 ACGAGTTCCAAAGAGGCTAACGAGCCGGCAGCAGACCTGATCCTGAGCTACGCCGAGGACGAGACAGAT  
 GTGGAGGGGACGGTGAACGGCGTCACCCACACAGCTCTGGAAAAAGATCCACTGGAAAC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC237306 representing NM\_001286516  
Red=Cloning site Green=Tags(s)

MAEPQAERPRLCVFPDLLRPPSAADIETWCQPYRKIFGEFSSSSFGDFQTVFDQPQEYFMELTFNQAAKG  
 VNKEFTVNIIMDTCERCNGKGNPGTKVQHCHYCGGSGMETINTGPFVMRSTCRRCGGRGSIISPCVVCR  
 GAGQAKQKKRVMIPVPAGVEDGQTVRMPVKGREIFITFRVQKSPVFRRDGADIHSDLFISIAQALLGGTA  
 RAQGLYETINVTIPPQTQDQKIRMGGKIPRINSYGYGDHYIHIKIRVPKRLTSRQQLISYAEDET  
 VEGTVNGVTLTSSGKRSTGN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** NM\_001286516

**ORF Size:** 900 bp

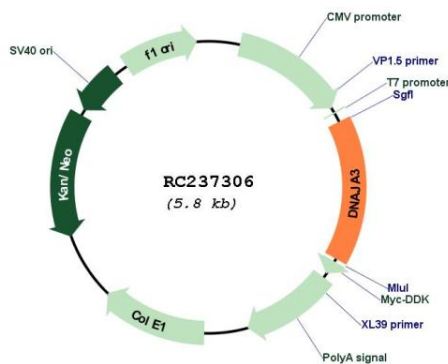
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

<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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_001286516.1, NP_001273445.1</u>
<b>RefSeq Size:</b>	2314 bp
<b>RefSeq ORF:</b>	903 bp
<b>Locus ID:</b>	9093
<b>UniProt ID:</b>	<u>Q96EY1</u>
<b>Cytogenetics:</b>	16p13.3
<b>MW:</b>	33.5 kDa
<b>Gene Summary:</b>	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]

### Product images:



Circular map for RC237306