

## Product datasheet for **SC325950**

### TID1 (DNAJA3) (NM\_001135110) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TID1 (DNAJA3) (NM_001135110) Human Untagged Clone
Tag:	Tag Free
Symbol:	TID1
Synonyms:	HCA57; hTID-1; TID1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005147, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGCGCGGTGCTCCACACGCTGGTTGCTGGTGGTTGTGGGGACCCCGCGGCTGCCGGCTATATCGG
GTAGAGGGGCCCGGCCAGGGAGGGCGTGGTGGGGCATGGCTGAGCCGCAAGCTGAGCGTCCCCGC
CTTTGCGTCTTCCCTGACCTCTTGC GGCCCGAGCGCTGCTGACATTGAGACCTGGTGTGAGCCTTACA
GGAACAAAACATAACCCCTTTCATTTGACTGCCTCCTCCACACGAGTGCCCTTTGGCCAAAGAAGATT
ATTATCAGATATTAGGAGTGCCTCGAAATGCCAGCCAGAAAGAGATCAAGAAAGCCTATTATCAGCTTG
CAAGAAGTATCACCTGACACAAATAAGGATGATCCCAAAGCCAAGGAGAAGTTCTCCAGCTGGCAGAA
GCCTATGAGGTTTTGAGTGATGAGGTGAAGAGGAAGCAGTACGATGCCTACGGCTCTGCAGGCTTCGATC
CTGGGGCCAGCGGCTCCAGCATAGCTACTGGAAGGGAGGCCCACTGTGGACCCCGAGGAGCTGTTGAG
GAAGATCTTTGGCGAGTTCTCATCCTCTTCATTTGGAGATTTCCAGACCGTGTGGTATCAGCCTCAGGAA
TACTTCATGGAGTTGACATTCATCAAGCTGCAAGGGGGTCAACAAGGAGTTCCACCGTGAACATCATGG
ACACGTGTGAGCGCTGCAACGGCAAGGGGAACGAGCCCGCACCAAGGTGCAGCATTGCCACTACTGTGG
CGGCTCCGGCATGGAAACCATCAACACAGGCCCTTTGTGATGCGTTCACGTGTAGGAGATGTGGTGGC
CGCGGCTCCATCATATCGCCCTGTGTGGTCTGCAGGGGAGCAGGACAAGCCAAGCAGAAAAAGCGAG
TGATGATCCCTGTGCCTGCAGGAGTGCAGGATGGCCAGACCGTGAGGATGCCTGTGGAAAAAGGAAAT
TTTCATTACGTTACGGTGCAGAAAAGCCCTGTGTTCCGGAGGGACGGCGCAGACATCCACTCCGACCTC
TTTATTTCTATAGCTCAGGCTCTTCTTGGGGTACAGCCAGAGCCAGGGCCTGTACGAGACGATCAACG
TGACGATCCCCCTGGGACTCAGACAGACCAGAAGATTCCGGATGGGTGGGAAAGGCATCCCCGGATTAA
CAGCTACGGCTACGGAGACCACTACATCCACATCAAGATACGAGTTCCAAGAGGCTAACGAGCCGGCAG
CAGAGCTGATCCTGAGCTACGCCGAGGACGAGACAGATGTGGAGGGACGGTGAACGGCGTCACCTCA
CCAGCTCTGGTGGCAGCACCATGGATAGCTCCGCAGGAAGCAAGGCTAGGCGTGAGGCTGGGGAGGACGA
GGAGGGATTCTTTCCAAACTTAAGAAAATGTTTACCTCATGA
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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001135110
<b>Insert Size:</b>	2600 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<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><a href="#">NM_001135110.1</a></u> , <u><a href="#">NP_001128582.1</a></u>
<b>RefSeq Size:</b>	2611 bp
<b>RefSeq ORF:</b>	1362 bp
<b>Locus ID:</b>	9093
<b>UniProt ID:</b>	<u><a href="#">Q96EY1</a></u>
<b>Cytogenetics:</b>	16p13.3
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an exon in the 3' coding region, which results in a frameshift, compared to variant 1. The encoded isoform (2, also known as TID1S) is shorter and has a distinct C-terminus, compared to isoform 1.</p>