

Product datasheet for **SC324462**

TID1 (DNAJA3) (NM_005147) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TID1 (DNAJA3) (NM_005147) Human Untagged Clone
Tag:	Tag Free
Symbol:	TID1
Synonyms:	HCA57; hTID-1; TID1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_005147.3
 GATGGCTGCGCGGTGCTCCACACGCTGGTTGCTGGTGGTTGTGGGGACCCCGCGGCTGCC
 GGCTATATCGGGTAGAGGGGCCCGCCAGGGAGGGCGTGGTGGGGCATGGCTGAG
 CCGCAAGCTGAGCGTCCCCGCCTTTGCGTCTTCCCTGACCTCTTGCGGCCCCGAGCGCT
 GCTGACATTGAGACCTGGTGTGAGCCTCACAGGAACAAAACATTACCCTTTCATTTGTAC
 TGCCTCCTCCACACGAGTGCCTTTGGCCAAAGAAGATTATTATCAGATATTAGGAGT
 GCCTCGAAATGCCAGCCAGAAAGAGATCAAGAAAGCCTATTATCAGCTTGCCAAGAGTA
 TCACCCTGACACAAATAAGGATGATCCCAAAGCCAAGGAGAAGTTCTCCAGCTGGCAGA
 AGCCTATGAGTTTTGAGTGATGAGGTGAAGAGGAAGCAGTACGATGCCTACGGCTCTGC
 AGGCTTCGATCCTGGGGCCAGCGGCTCCAGCATAGCTACTGGAAGGGAGGCCCACTGT
 GGACCCCGAGGAGCTGTTAGGAAGATCTTTGGCGAGTCTCATCCTCTTCATTTGGAGA
 TTTCCAGACCGTGTGATCAGCCTCAGGAATACTTCATGGAGTTGACATTCAATCAAGC
 TGCAAAGGGGTCAACAAGGAGTTCACCGTGAACATCATGGACACGTGTGAGCGTGCAA
 CGCAAGGGGAACGAGCCCGGCACCAAGGTGCAGCATTGCCACTACTGTGGCGGCTCCGG
 CATGGAACCATCAACACAGGCCCTTTGTGATGCGTTCCACGTGTAGGAGATGTGGTGG
 CCGCGGCTCCATCATATATCGCCCTGTGTGGTCTGCAGGGGAGCAGGACAAGCCAAGCA
 GAAAAAGCGAGTGATGATCCCTGTGCCTGCAGGAGTGCAGGATGGCCAGACCGTGAGGAT
 GCCTGTGGGAAAAAGGAAATTTTCATTACGTTACAGGTGCAGAAAAGCCCTGTGTTCCG
 GAGGGACGGCGCAGACATCCACTCCGACCTCTTATTTCTATAGCTCAGGCTCTTCTTGG
 GGAACAGCCAGAGCCAGGGCCTGTACGAGACGATCAACGTGACGATCCCCCTGGGAC
 TCAGACAGACCAGAAGATTCCGATGGGTGGGAAAGGCATCCCCGGATTAACAGCTACGG
 CTACGGAGACCACTACATCCACATCAAGATACGAGTTCCAAAGAGGCTAACGAGCCGGCA
 GCAGAGCCTGATCCTGAGCTACGCCGAGGACGAGACAGATGTGGAGGGGACGGTGAACGG
 CGTCACCCTCACCAGCTCTGGTGGCAGCACCATGGATAGCTCCGAGGAAGCAAGGCTAG
 CGGTGAGGCTGGGAGGACGAGGAGGGATTCTTTCCAAACTTAAGAAAATGTTTACCTC
 ATGATATCCCAGCCGAGGAAAAAGATCCACTGGAAGTAGGCCGGGAAGCAGCAGCCCT
 CCAAGGGCCAGGGCACCTGGGAGACGGGAGGATTCCAGAACAGCAGCACTGAGCTCCAC
 CCGCAGAGCCTCTGGACGGCCTTGGAACAGCAAAATCATGGGACAACACCTCTCTCCAC
 GGAAGGTACAGTGGACAGCCCGGCAGTAGGATGCAGCCCAGAGGCTGGTGGCAGTT
 TCCTGTCCATTGGTAGGTGACGGCCCTGGCTCAGGCAGAGGGAGATGGTTAGACTCTTG
 CAGGGCTAAAACCTAATTTGGAATTGAATATTGTGGATATCTTAGTTAAAGCCATGCT
 TACAGCTTAGAAAATGAAGCCTTAAGCTGCATCAAGTTACGAAGTGATTAATTTCTTCTC
 AGCAAACCTCCGGGAGGTTCCAGAATGAGTTCTTCTGACAGGTTGTCTTCACTGGGAGC
 GTGGGGCCCCAGGCCACCAGCACCGTCTCCCTAATGAGGGGCCCTGCCGAGGCAT
 CAGCTGCTCTGCTCAGTTAGTTTTTATCCCGGGTACCAAGCAGCTGCACAGTCGGTGC
 CTGGGAGGCACGTAGAGGCCAGAGTCCCTGGGGTTCTGCTGACCGTGTGGGTGG
 TGATCCTGTGTCAGGATGTACAGTCTTGTCTCCACCCATCCAGGATGGCCGCCTGTCCC
 TGACTATTGAGTCTGTGTTGTAAGCCAGGCATGGAGGGCTCCTGCCCTTCTGCTGAGC
 CACAGCCATTGCAGCACTGTGCTGGCCAGACTCAGCTGCCTTGGGAAGTGAAGCCCTG
 CCACTGTTGCTAGTCAGGGGCTTGGTTCTCCACTTACACTGTTGACATCTATTTTCTGA
 AGTGTGTTAAATTATTCAGTGCTAATCATTGTTTTTCTTTTGTAAATGTTGATTTCAGA
 AAAGGAAAGCACAGGCTAAGCAGTTGAAGTTCCCAACCATTCAGTGAGAGCAGAACCCC
 CATTCCCCAGCCTCTGCTGGTAGCATGTCGAGTTTCCATGTGTTTCAGGATCTTCGGGC
 TGTGTTAGACAGGTTAATGAAGAACACTTCTCAACAGTTTCTTTTGTTCCTTTAT
 AATTCATAAAAATAAGCATCTATTAGTGTCTGATTTAGGAATGAAAATGATTCTGTAT
 TAATGAAAATAAGATTATCTATTGCAAAAAGATATTTCAAACCTAAAAAAAAAAAAAAAA
 AAAA

Restriction Sites: Please inquire

ACCN: NM_005147

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:	<ol style="list-style-type: none">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:	<u>NM_005147.3</u> , <u>NP_005138.2</u>
RefSeq Size:	2704 bp
RefSeq ORF:	1443 bp
Locus ID:	9093
UniProt ID:	<u>Q96EY1</u>
Cytogenetics:	16p13.3
Domains:	Dnaj_CXXCXGXG, Dnaj, Dnaj_C
Gene Summary:	<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 (1) represents the longest transcript and encodes the longest isoform (1, also known as TID1L).</p>