

Product datasheet for **SC120600**

TTDN1 (MPLKIP) (NM_138701) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTDN1 (MPLKIP) (NM_138701) Human Untagged Clone
Tag:	Tag Free
Symbol:	TTDN1
Synonyms:	ABHS; C7orf11; ORF20; TTD4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_138701 edited ATGCAGCGACAGAATTTTCGGCCCCAACTCCTCCTTACCCTGGTCCGGGTGGAGGAGGT TGGGGTAGCGGAAGCAGCTTCCGGGGAACCCCGGGCGGGGGCGGACCACGGCCGCCTCC CCTCGAGACGGGTACGGGAGTCCGCACCACACGCCCGTACGGGCCCGGTCTAGGCCG TACGGGAGCAGTCACTCTCCGCGACACGGCGGCAGCTTCCGGGGGGCCGGTTCGGGTCT CCGTCCCCTGGCGGCTACCCTGGCTCCTACTCCAGGTCCCCGCGGGGTCCCAGCAGCAA TTCGGCTACTCCCAGGGCAGCAGACCCACCCAGGGTTCTCCAAGGACATCTACA CCATTTGGATCAGGGCGTGTAGAGAAAAAAGAATGTCTAATGAGTTGAAAAATTATTC AAGCCTTCAATGCTTGAAGATCCTTGGGCTGGCCTAGAACCAGTATCTGTAGTGGATATA AGCCAACAATACAGCAATACTCAAACATTCACAGGCAAAAAAGGAAGATACTTTTGTAA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_138701 unedited CATTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCGAGGTTTTTCG GCTTTGGCTCCTGATATGCAGCGACAGAATTTTCGGCCCCAACTCCTCCTTACCCTGGT CCGGGTGGAGGAGTTGGGGTAGCGGAAGCAGCTTCCGGGGAACCCCGGGCGGGGCGGA CCACGGCCGCCCTCCCCTCGAGACGGGTACGGGAGTCCGCACCACACGCCCGGTACGGG CCCCAGTCTAGGCCGTACGGGAGCAGTCACTCTCCGCGACACGGCGCAGCTTCCCGGGG GGCCGGTTCGGGCTCCGTCCCCTGGCGGCTACCCTGGCTCCTACTCCAGGTCCCCCGCG GGGTCCCAGCAGCAATTCGGCTACTCCCAGGGCAGCAGCAGACCCACCCAGGTTCT CCAAGGACATCTACACCATTTGGATCAGGGCGTGTAGAGAAAAAAGAATGTCTAATGAG TTGAAAAATTATTTCAAGCCTTCAATGCTTGAAGATCCTTGNCTGGCCTAGAACCAGTA TCTGTAGTGGATATAAGCCAACAATACAGCAATACTCAAACATTCACAGGCAAAAAAGGA AGATACTTTTGTAACTTTCTGANATCAACTGGAAGCTTCATGTGTCAGGAACATCTT GGACANAACCTTAAGTTGTGTTGATATAAATACTCCCAAGATGATGACTTTGATTGGAT AAATAGTAAGTCTTTTTTGTATTTTTTTCATCGTATCAGGTATTGTTGATATTAGAGAAA AAAGTANGATAACTTGAACATTTAGCTCTGGAAGTACCTACCACATTNTAGAGATTTAC CGTTTTTATATATTTAACATTCCTGGNTACCATATGGACACTTGNCTTTAAATGTTTTTC ATGGTTTTAAAATAACATTTGTCTCTTANNNNAAANNTTNNCNCNNNCAACAAAAAAA AAAAACTCGCTTAATTGGGCCGGGCATACCGTT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_138701 unedited ACCGCGGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTAAAAACAAAATGTTTTATTTTAAAAACATTGAAAAACCTTAAAAG ACAAAATGCCCTTTTGTAAACCCGGAATGTTAAATATTTGGAAACGGGAAATCTCTAAAAT GGGGTAGTACTTCCAAAGCTAAATGTTGCAAGTTATCCTACTTTTTTCTCTAATATCAA CAATCCCTGGTACCATGAAAAATAACCAAAGACCTTTCTAATTATCCAATCAAAGTCAT CATCTTTGGGTAAATTTATCAACCCAACTTAAAGTTTTGTCCAAAATGTTCTCTGACCC ATGAAGCTTCCAGTTGAATTTCAAAAATGTTAACAAAAGTATCTTCTTTTTTGCCTGTG AATGTTTGTAGTATTGCTGTATTGGTGGCTATATCCACTACAGATACTGGTCTAGGCCA GCCCAAGGATCTCAAGCATTGAAGGGTGAATAATTTTCCAACTCATTAAACATTTCTT TTTTCTTAACACGCCCTGATCCAAATGGTGTAGATGCTTGGAGAACCCTGGGGGTGG GTCTGTGCTGCCCTGGGGAGTAACCCAATTGCTGTGGGACCCCGGGGGGACCTGGAG TAAGAGCCAGGGTAGCCCCAGGGGACGAGACCCGAACCGGCCCCCGGGAAACTGCCG CCGTGTCCCGGAAGTACTGCTTCCGTACGGCCTANACCGGGCCCGTACGGNGGCGTGTG GTGCCACTCCCGTACCGTCTCGGGGGAAGGGCGGCCGTGTCCCCCCCCCGGGTTT CCCCAGGCTGTTTTCGTTCACCAACTCTCCACCCGACAAGGATAGGAGGATTGGGGG CAAAATTTTGTGCTGTATAAGAGAAAAACCAAACTTCTCTGGCAAATCCGGCCCG CCCATAGGGCGGTTACAAATTGACGGTCACTACAAGTTGTTTAAACCTCCCCCA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_138701
Insert Size:	1000 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_138701.1](#), [NP_619646.1](#)

RefSeq Size: 1084 bp

RefSeq ORF: 540 bp

Locus ID: 136647

UniProt ID: [Q8TAP9](#)

Cytogenetics: 7p14.1

Gene Summary: The protein encoded by this gene localizes to the centrosome during mitosis and to the midbody during cytokinesis. The protein is phosphorylated by cyclin-dependent kinase 1 during mitosis and subsequently interacts with polo-like kinase 1. The protein is thought to function in regulating mitosis and cytokinesis. Mutations in this gene result in nonphotosensitive trichothiodystrophy. [provided by RefSeq, Nov 2009]