

## Product datasheet for **SC328876**

### TCTN1 (NM\_001173975) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TCTN1 (NM_001173975) Human Untagged Clone
Tag:	Tag Free
Symbol:	TCTN1
Synonyms:	JBTS13; TECT1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001173975, the custom clone sequence may differ by one or more nucleotides

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ATGTGCCAGCTCCTGGAGTCCACAGTGATCCAACCTCAAGGGGACAGCCCCGTTGCTGTT
CTCTGTGTCTGTGACTTATCCCCAGCACAGTGTGACATCAACTGCTGCTGTGATCCCCGAC
TGCAGCTCCGTGGATTTTCAGTGTCTTTTCTGCCTGCTCAGTTCAGTTGTACAGGGCGAC
AGCCAGTTTTGTAGTCAAAAAGCAGTCATCTATTCATTGAATTTTACAGCAAACCCACCT
CAAAGAGTATTTGAACCTGTTGACCAGATTAATCCATCTATTTTCTGCATTCATATTACA
AACTATAAACCTGCATTATCCTTTATTAATCCAGAAGTACCTGATGAAAACAATTTTGAT
ACATTGATGAAAACATCTGATGGTTTTACATTGAATGCTGAATCATATGTTTCCTTCACA
ACCAAACCTGGATATTCCTACTGCTGCTAAATATGAGTATGGGGTTCCTCTGCAGACTTCA
GATTCGTTTTCTGAGATTTCTTCGTCCTGACATCATCTCTGTGCACTGATAATAACCT
GCAGCGTTTTCTGGTGAACCAGGCTGTTAAGTGCACCAGAAAAATAAATTTAGAACAGTGT
GAAGAAATGAAGCCCTCAGCATGGCTTTTTACAGCAGCCCGAAATTCTGAGGGTACCT
GATTCAAGAAAAAAGTCCCTATCACTGTTTCAGTCCATCGTCATTAGTCTCTAAATAAA
ACGCTCACCCGACGGGAGGACACTGATGTGCTGCAGCCGACTCTCGTCAACGCTGGACAC
TTTAGCCTTTGCGTGAATGTTGTTCTTGAGGTAAGTACAGCCTCACATACACAGATGCA
GGTGAAGTCACCAAAGCTGATCTCTCATTTCGTTCTGGGGACAGTTAGCAGCGTAGTGGTC
CCTACTGCAGCAAAAGTTTGAAATTCATTTTCTTCAGGAAAATACCCAGCCAGTCCCTCTC
AGTGGAACCCCTGGTTATGTCGTGGGGCTCCCATTAGCTGCTGGATTCCAGCCTCATAAG
GGGTCTGGGATTATTCAGACCACAAATAGATATGGACAGCTTACTATTCTTCATAGCACA
ACTGAGCAAGACTGCTTAGCACTGGAGGGGGTCCGGACCCAGTATTATTTGGTTACACT
AAGGTGAAGAGCCTGCTGTGGGGCCAGGGCTTCCAGATTACGTGGCCCCCTTTGGAAAT
TCCCAGGCCCAGGACATGCTGGACTGGGTGCCATCCACTTCATACCCAGTCATTCAAC
AGGAAGGATTCCTGCCAGCTCCCAGGGGCTTTGGTTATAGAAGTGAAGTGGACTAAATAC
GGATCCCTGCTGAATCCACAGGCCAAAATAGTCAATGTAAGTCAAAATCTAATTTTCATCC
TCCTTTCTGAGGCCAACTCAGGAAAATGAAAGGACGATTCTTATTTCCACTGCGGTTACT
TTTGTGGATGTGCTGCACCTGCAGAGGCAGGCTTCAGAGCTCCACCAGCCATCAATGCC
AGGCTGCCCTTAACTTCTTCTCCCGTTTGTGTA
    
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**Restriction Sites:** Please inquire

**ACCN:** NM\_001173975

**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).

<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_001173975.1, NP_001167446.1</u>
<b>RefSeq Size:</b>	2006 bp
<b>RefSeq ORF:</b>	1596 bp
<b>Locus ID:</b>	79600
<b>UniProt ID:</b>	<u>Q2MV58</u>
<b>Cytogenetics:</b>	12q24.11
<b>Protein Families:</b>	Secreted Protein
<b>Gene Summary:</b>	<p>This gene encodes a member of a family of secreted and transmembrane proteins. The orthologous gene in mouse functions downstream of smoothed and rab23 to modulate hedgehog signal transduction. This protein is a component of the tectonic-like complex, which forms a barrier between the ciliary axoneme and the basal body. A mutation in this gene was found in a family with Joubert syndrome-13. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]</p> <p>Transcript Variant: This variant (4) uses an alternate splice site in the 5' region, initiates translation at an alternate start codon, and uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. The resulting isoform (4) has a distinct N-terminus and is shorter than isoform 1.</p>