

## Product datasheet for **SC108363**

### TCTN1 (NM\_024549) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TCTN1 (NM_024549) 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)



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_024549, the custom clone sequence may differ by one or more nucleotides

```

ATGAGGCCGCGAGGTCTCCCGCCGCTCCTGGTGGTCTCCTGGGCTGCTGGGCCTCCGTGAGCGCCAG
CCGATGCCACCCCGCGGTGACGACAGAGGGCCTCAACTCCACCGAGGCAGCCCTGGCCACCTTCGGAAC
TTTCCCGTCGACCAGGCCCCCGGGACTCCAGGGCTCCAGGGCCCTCCTCCGGCCAGGCCTACCCCA
GTCACGGACGTTGCTGTTCTGTGTCTGTGACTTATCCCGACGACAGTGTGACATCAACTGCTGTGTG
ATCCCGACTGCAGCTCCGTGGATTTCAAGTGTCTTTTCTGCCTGCTCAGTTCAGTTGTACGCGGCGACG
CCAGTTTTGTAGTCAAAAAGCAGTCATCTATTCATTGAATTTTACAGCAAACCCACCTCAAAGAGTATTT
GAACTTGTGACCAGATTAATCCATCTATTTCTGCATTCATATTACAACTATAAACCTGCATTATCCT
TTATTAATCCAGAAGTACCTGATGAAAACAATTTTATACATTGATGAAAACATCTGATGGTTTTACATT
GAATGCTGAATCATATGTTTCCTTCACAACCAACTGGATATTCCTACTGCTGCTAAATATGAGTATGGG
GTTCTCTGCAGACTTCAGATTCGTTTCTGAGATTTCTTCGTCCTGACATCATCTCTGTGCAGTATA
ATAACCTGCAGGCCAGGCGTACTGGTTACACCTGTAATCCAGCACTCTGGGAGGCCGAGGCGAGAGG
ATCACTTGAGGTACCTGATTCAGAAAAAAGGTCCTATCACTGTTCAAGTCCATGCTCATTCACTGCTCTA
AATAAAACGCTCACCCGACGGGAGGACACTGATGTGCTGCAGCCGACTCTCGTCAACGCTGGACACTTTA
GCCTTTGCGTGAATGTTGTTCTTGGAGGTAAGTACAGCCTCACATACACAGATGCAGGTGAAGTACCAA
AGCTGATCTCTCATTGTTCTGGGGACAGTTAGCAGCGTAGTGGTCCCCTGCAGCAAAGTTTGAATTT
CATTTTCTCAGGAAAAACCCAGCCAGTCCCTCTCAGTGAAACCTGGTTATGTCGTGGGGCTCCCAT
TAGCTGCTGGATTCCAGCCTCATAAGGGGTCTGGGATTATTCAGACCACAAATAGATATGGACAGCTTAC
TATTCTTCATAGCACAACCTGAGCAAGACTGCTTAGCACTGGAGGGGTCCGGACCCAGTATTATTTGGT
TACACTATGCAATCTGGCTGTAACCTAAGACTGACTGGAGCTCTCCCGTGCAGCTCGTAGCACAGAAAGG
TGAAGAGCCTGCTGTGGGGCCAGGGCTTCCAGATTACGTGGCCCTTTTGGAAAATCCAGGCCAGGA
CATGCTGGACTGGGTGCCCATCCACTTCATCACCCAGTATTCAACAGGAAGGATTCTGCCAGTCCCA
GGGGCTTTGGTTATAGAAGTGAAGTGGACTAAATACGGATCCCTGCTGAATCCACAGGCCAAAATAGTCA
ATGTAACGCAAATCTAATTTTCCTCTCTTCTGAGGCCAACTCAGGAAATGAAAGGACGATTCTTAT
TTCCACTGCGGTTACTTTTGTGGATGTCTGCACCTGCAGAGGCAGGCTTCAGAGCTCCACCAGCCATC
AATGCCAGGCTGCCCTTAACTTCTTCCCGTTTGTGTTGA
    
```

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_024549 unedited

```

GGATTTTGTAAATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGCTTCTCGCGG
CTTCGCAAGCCCCTTCCCGTGATGCCCGCGCCTGGCTGTGCGGTTGCCGGCAACCGG
CTGTCCATGTGCGGGCCTCGCTGGGACTCCCTGGGAGATGAGGCCGCGAGGTCTCCCGC
CGCTCCTGGTGGTGTCTCTGGGCTGCTGGGCTCCGTGAGCGCCAGACCGATGCCACCC
CGGCGGTGACGACAGAGGGCCTCAACTCCACCGAGGCAGCCCTGGCCACCTTCGGAACCT
TCCCGTCGACCAGGCCCCCGGGACTCCAGGGCTCCAGGGCCCTCCTCCGGCCAGGC
CTACCCAGTACGCGACGTTGCTGTTCTGTGTCTGTGACTTATCCCGACGACAGTGTG
ACATCAACTGCTGCTGTGATCCCGACTGCAGCTCCGTGGATTTCAAGTGTCTTTTCTGCCT
GCTCAGTTCAGTTGTGACGCGGACAGCCAGTTTGTAGTCAAAAAGCAGTCATCTATT
CATTGAATTTTACAGCAAACCCACCTCAAAGAGTATTTGAACTTGTGACCAGATTAATC
CATCTATTTTCTGCATTCATATTACAACTATAAACCTGCATTATCCTTTATTAATCCAG
AAGTACCTGATGAAAACAATTTTATACATTGATGAAAACATCTGATGGTTNTACATTGA
ATGCTGAATCATATGTTTCCTTCACACCAAACTGGATATTCCTACTGCTGCTAAATATGA
GTATGGGGTTCTCTGCAGACTTCAGATTTCGTTTCTGAGATTTCTTCGTCCCTGACATC
ATCTCTGTGCACTGATNNATACCCCTGCAGCGTTCTGGTGACCANGCTGNNTAGTGCACC
AGAAAATAAATANAACAGNGTGAAGAATTGAGCCCTCAGCTGGCTTTTACGCAGCCCGG
AATCTGG
    
```



**Gene Summary:**

This gene encodes a member of a family of secreted and transmembrane proteins. The orthologous gene in mouse functions downstream of smoothened 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]

Transcript Variant: This variant (3) lacks an exon and contains an alternate in-frame exon in the central coding region and an alternate in-frame splice site in the 3' coding region, compared to variant 1, resulting in a shorter protein (isoform 3).