

Product datasheet for **SC122972**

TCTN2 (NM_024809) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCTN2 (NM_024809) Human Untagged Clone
Tag:	Tag Free
Symbol:	TCTN2
Synonyms:	C12orf38; JBTS24; MKS8; TECT2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_024809 edited
 GCGGCGGGGCAGTGGCTGCTGCGTTTTTCGTGTCTGAGTCCCTCCTGGGTTCTAATGAGGG
 CGCGGTTCTGCTGTGCCCGGCCCGCAGGTCTAAGGCATGGGCTTCCAGCCTCCGGCCGC
 TCTTCTTTGAGGCTTTCTCTTGACGGGCATCCTGAGGCTTCTGTGGGGGACCTGGC
 TTTTCATCCCTCCTTTATCCGAATGTCCGGCCCTGCGGTACGCGCTCCCTGGTCGGAGA
 CACCGAGGGTGTACCGTGTCCCTGGCAGTGTGCAGGACGAGGCGGAATATTGCCAAT
 TCCGACGTGTGGAGTGTGAACAATGAGACGGAAGACTGGAGCGTGAAGTGTATCCCGG
 TCGGAAGGTGTTGGAAGTGACAGTGAGGTGGAAGAGAGGTCTGGACTGGTGTTCCTCCAA
 TGAGACAGATTCTTCTCAGAGTCCCCCTGTATCCTCCAGACCCTTCTGGTTTCAGCATC
 TCATAATTCATCCTGTTTCAGCACATCTACTCATTCAAGTGGAATTTATGCCAATCTTC
 TCTGACCCATAATGCCTCAGAGAACGTGACTGTCAATCCTAACAGGTGTATCAGCCCCT
 TGGCCCTTGTCTTGTAAATTAACAGCTGGAGCCTGTGATGTTTCGCTGCTGTGACCA
 GGAATGCTCATCAAAATTAACAACGCTGTTTCAGACGGTCTGCTTACCAGCGTGTGGG
 AGGAGACGTCAATCCTCCTTTTGTGATGAGTCTGCTGCTGGGACGACGACAGTGGTGT
 CCCCATTGGTTTCCCTTCTGTGTGTGACGTCCCCCTTGCCAAACACACCTTCTCTGG
 TTACTTCTATCATGGTGTGTTTCCCCAAACAGGACTCTTCTTGAAGTATATGTGGA
 TACTGACGCAAAAGACTTTGACAGTCTTGGTTACAAACAAGGAGATCCCATTATGACTGT
 AAAGAAGGCATATTTTACTATTCCGAGGTGTCCCTGGCTGGGCAAGTGTATGCAGAACGC
 CCCAGTGGCATTCTTCACAATTTTGTGTTAAATGCGTTACTAATTTGGAATATACCA
 AGAACGAGATGGTATTATCAATGCGAAGATAAAGAATGTTGCCTTAGGAGGCATAGTTAC
 ACCAAAAGTGATCTATGAGGAAGCAACTGACCTAGACAAATTCATCACCATAACAGAAAC
 TCCTTTAAATAACGGATCAACCCCTAGAATTGTGAATGTGGAAGAATATATTTTCAA
 ATGGAATAATAATACCATCAGTGAAATAAATGTTAAATTTTATAGGCGAGAGATTATGC
 CCACAGAAAGGGATAATGACACAGAGATTTGTAGTAAATTTTAAAGCTATAATAGTGG
 TAATGAAGAAGAATTATCTGGAATCCAGGTACCAACTTGGCAAGCCTGTCCGAGCTCT
 AAATATCAACAGGATGAATAATGTACGACTTTACATCTTTGGCAATCGGCTGGAAGGG
 TCTGTGTACATCAGCAACTTTCAAACCATTTTATTTGGAGAAAATGACTCTCTGGATG
 CCTGTTAGAAGTCGGGATTAATGAAAATGTACTCAGCTCAGGGAGAATGCTGTTGAAAG
 ACTTGATTCATTAATAACAAGCGACTCACGTTGCAATGAGAGGCAACTCCGATTACGCTGA
 TCTTAGTGATGGCTGGCTCGAAATAATACGTGTAGATGCCCTGATCCAGGTGCAGACCC
 GCTGGCTAGCAGTGTGAACGGCATGTGCCTGGATATTCCTGCTCACCTGAGCATCCGCAT
 CCTCATCTCGGATGCTGGCGCGGTGGAAGGGATTACTCAGCAGGAGATACTCGGTGTAGA
 GACAAGGTTCTCCTCAGTGAAGTGGCAGTACCAGTGTGGGCTTACCTGTGAGCACAAAGGC
 CGACCTTCTCCCTATCAGTGCATCCGTCCAGTTTATTAATTAATCCTGCACAGTTACCCCA
 CCCCCTGACAAGATTCAGATCAATTATACAGAGTATGACTGCAACAGAAATGAGGTGTG
 TTGGCCGAGCTTCTATATCCATGGACTCAGTATTATCAAGGGGAGCTGCATTCTCAGTG
 TGTGCTAAGGGCTTACTGTTGCTGTTGTTCTCACATTGGCCTTGTTCCTCAGCAACCC
 CTGGACCAGAATATGCAAGCCATAGTTAGACAACCACTGGCTTTTATTTTTTTGAGA
 TGGAGTTTTGCTCTTGTGCCCAGGCTGAAGTGTCTCGGCTCACCACAACCTCCTCCTC
 TTGGGTTCAAGCGATTCTCCTGCCTCAGCCTCCGAGAACTGGGATTACAGGCATGCACC
 ACCACGCCGGCTAATTTTGTATTTTGTAGAGACAGGGTTCCACCGTATTGGCCAGGC
 TGCTCTCGAACTCCTGACCTCATGATCCGCCATCTTGGCCTCCCAAAGTGTGAGATTA
 CAGGCATGAGCCACCGACCCGGCCTTTTTTTTTTTTTTTTTTTTGGGCGGGGTCTC
 TGTCACCCAGGCTGGAGTGCAGTGCACAATCTCGGCTCACTGCAATCTCTGCCTCCCAAG
 CAATCCTCCACCTCAGCCTCTGGTGTAGCTGGGACCACAGATGTCCACCATGCCTGGC
 TGTATTTTGGTAAAGACGGGGTTTCGCCTTGTGCCCAGGGTGGTCTGTAACCTCCTGAG
 CTCAGATGATCTGCCACCTCGGCTCCCAAAGTGTGGGATCACAGACGTGAGCCACTG
 CGTCCGGTCCATCTGACTTCTCAAAGACTTTAGACCTTGACTTCAGTGATTTGTTGTAGT
 CTTGTATGCTTCTCTATAAAATTTAATAAATGAAATGCTTATTTTGTAGAAAATTAA
 AAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_024809 unedited <pre> AGGTTTTTCATTTGTNATACGACTTCTATAGGGCGGCCGCGATTCCCGGGNTATCGTCGAC CCACGCGTCCGGCGGGCGGGCAGTGGCTGCTGCGTTTTTCGTGTCTGAGTCCTTCCTGGGT TCTAATGAGGGCGCGGTTCTGCTGTGCCCGGCCCGCGAGGTCTAAGGCATGGGCTTCCAG CCTCCGGCCGCTCTTCTTTTGAGGCTTTTCCTTCTGCAGGGCATCCTGAGGCTTCTGTGG GGGACCTGGCTTTCATCCCTCCTTTTATCCGAATGTCCGGCCCTGCGGTCAGCGCGTCC CTGGTCGGAGACACCGAGGGTGTGACCGTGTCCCTGGCAGTGTCTGCAGGACGAGGCGGGA ATATTGCCAATCCGACGTGTGGAGTGTGAACAATGAGACGGAAGACTGGAGCGTGACT GTGATCCCGGTGCGAAGGTGTTGGAAGTGACAGTGAGGTGGAAGAGAGGTCTGGACTGG TGTTCTCCAATGAGACAGATTCTTCTCAGAGTCCCCCTGTATCCTCCAGACCCTTCTG GTTTCAGCATCTCATAATTCATCCTGTTTACGACATCTACTATTCAAGTGGAATTTAT GCCAATCTTCTCTGACCCATAATGCCTCAGAGAACGTGACTGTCATTCTAACCNAGTG TATCAGCCCTTGGCCCTTGTCTTGTAAATTTAACAGCTGGAGCCTGTGATGTTTCGCTGC TGCTGTGACCAAGAAATGCTCATCANATTTAACACGCTGNTCAGACGGTCTGCTTCACC GGGCGTGTGGAGGAGACGTCAATCCTCCTTTTGATCAGCTCTGCTCTGCTGGGACGACG ACACGTGGTGGTCCCGATGGNTTTCCTTTCTGTGTGTGCAGTCCCCCTTGCCACACA CCCTTCTGAGGTAATTN </pre>
Restriction Sites:	Please inquire
ACCN:	NM_024809
Insert Size:	2902 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_024809.2 , NP_079085.2
RefSeq Size:	2902 bp
RefSeq ORF:	2094 bp
Locus ID:	79867
UniProt ID:	Q96GX1
Cytogenetics:	12q24.31

Gene Summary:

This gene encodes a type I membrane protein that belongs to the tectonic family. Studies in mice suggest that this protein may be involved in hedgehog signaling, and essential for ciliogenesis. Mutations in this gene are associated with Meckel syndrome type 8. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

[provided by RefSeq, Oct 2011]

Transcript Variant: This variant (1) encodes the longer isoform (1).