

Product datasheet for **SC127785**

TCTN3 (NM_015631) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCTN3 (NM_015631) Human Untagged Clone
Tag:	Tag Free
Symbol:	TCTN3
Synonyms:	C10orf61; JBTS18; OFD4; TECT3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC127785 sequence for NM_015631 edited (data generated by NextGen Sequencing)

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ATGCGCACCCACAGCTCGCGCTCCTGCAAGTGTCTTTCTGGTGTTCCTCCGATGGCGTC
CGGCCTCAGCCCTCTTCTCCCATCAGGGGACGTGCCACGTCTTTGGAGCTGCAGCGA
GGGACGGATGGCGGAACCTCCAGTCCCCTTCAAGGGCAGTGCACCTCGCCCGCCGTG
CCTGGACTCCCTACAGTGGTCCCTACTCTCGTGACTCCCTCGGCCCTGGGAATAGGACT
GTGGACCTCTTCCAGTCTTACCGATCTGTGTCTGTGACTTGAATCCTGGAGCCTGCGAT
ATAAATTGCTGCTGCGACAGGGACTGCTATCTTCTCCATCCGAGGACAGTTTTCTCCTTC
TGCTTCCAGGCAGCGTAAGGTCTTCAAGCTGGGTTTGTGTAGACAACTCTGTTATCTTC
AGGAGTAATTCCTGTTTCTTCAAGAGTTTTCATGGATTCTAATGGAATCAGGCAGTTT
TGTGTCCATGTGAACAACTCAAATTAATATTTCCAGAAGCTTCAAAAGGTCAATGCA
ACCAACTTCCAGGCCCTGGCTGCAGAGTTTGGAGGCGAATCATTCACTTCAACATTCCAA
ACACAATCACCACCATCTTTTACAGGGCTGGGACCCATTCTACTTACTTCCCAAG
TGGTCTGTAATAAGCTTGTGAGACAACCTGCAGGAGTTGGAGCTGGGGACTCTGTGCT
GAAAGCAATCCTGCAGGTTTCTAGAGAGTAAAGTACAATGCACTCGTTTTTTCAAG
AACCTGGCTAGTAGCTGTACCTTGGATTGAGCCCTCAATGCTGCCTCTTACTATAACTTC
ACAGTCTTAAAGTTTCAAGAAGCATGACTGATCCACAGAATATGGAGTTCCAGGTTCT
GTAATACTTACCTCACAGGCTAATGCTCCTCTGTTGGCTGGAAACACTTGTGAGAATGTA
GTTTCTCAGGTACCTATGAGATAGAGACCAATGGGACTTTTGAATCCAGAAAGTTTCT
GTCAGTTTGGGACAAACCAACCTGACTGTTGAGCCAGGCGCTTCTTACAGCAACACTTC
ATCCTTCGCTTCAGGGCTTTTCAACAGAGCACAGCTGCTTCTCTCACCAGTCCTAGAAGT
GGGAATCCTGGCTATATAGTTGGGAAGCCACTCTTGGCTCTGACTGATGATATAAGTTAC
TCAATGACCCTCTTACAGAGCCAGGGTAATGGAAGTTGCTCTGTTAAAAGACATGAAGTG
CAGTTTGGAGTGAATGCAATATCTGGATGCAAGCTCAGGTTGAAGAAGGCAGACTGCAGC
CACTTGCAGCAGGAGATTATCAGACTCTTATGGAAGGCCAGACCAGAGTATGTTGCC
ATCTTTGGTAATGCTGACCCAGCCAGAAAGGAGGGTGGACCAGGATCCTCAACAGGCAC
TGCAGCATTTAGCTATAAACTGTACTTCTGCTGTCTCATACCAGTTTCCCTGGAGATC
CAGGTATTGTGGCATATGTAGGTCTCCTGTCCAACCCGCAAGCTCATGTATCAGGAGTT
CGATTCTATACCAGTGCAGTCTATACAGGATTCTCAGCAAGTTACAGAAGTATCTTTG
ACAACCTTTGTGAACTTTGTGGACATTACCCAGAAGCCACAGCCTCAAGGGGCAACCC
AAAATGGACTGGAAATGGCCATTGACTTCTTTCCCTTCAAAGTGGCATTGAGCAGAGGA
GTATTCTCTCAAAAATGCTCAGTCTCTCCATCCTTATCCTGTGCCTCTTACTACTTGA
GTTCTCAACCTAGAGACTATGTGA

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Clone variation with respect to NM_015631.5
603 t=>a

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015631 unedited
 AATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCCTCGTGCCGAA
 TTCGGCACGAGGCATGCGCACCCACAGCTCGCGCTCCTGCAAGTGTCTTTCTGGTGTT
 CCCCAGTGGCGTCCGGCCTCAGCCCTCTTCTCCCATCAGGGGAGTGGCCACGCTTT
 GGAGCTGCAGCGAGGGACGGATGGCGGAACCTCCAGTCCCTTCAGAGGCGACTGCAAC
 TCGCCCCGGCGTGCCTGGACTCCCTACAGTGGTCCCTACTCTCGTGACTCCCTCGGCCCC
 TGGGAATAGGACTGTGGACCTCTTCCAGTCTTACCGATCTGTGTCTGTGACTTGACTCC
 TGGAGCCTGCGATATAAATTGCTGCTGCGACAGGAGTGTATCTTCTCCATCCGAGGAC
 AGTTTTCTCTTCTGCCTTCCAGGCAGCGTAAGGTCTTAAGCTGNGGTTTGTGTAGACAA
 CTCTGTTATCTTCAGGAGTAATCCCCGTTTCTTCAAGAGTTTTCATGGATTCTAATGG
 ATCANNGCAGTTTTGTGTCCATGTGAACAACCTCANACTTAACTATTTCCAGAAGCTTCA
 AAAGGTCAATGCAACCAACTTCCAGGCCCTGCTGGNANNAGATTGGGAAGGCGAATCAT
 TCACTTCAACATTCCAAACACAATCACCACCATCTTNTCCAGGGGCTGGGGGACCCCA
 TTCTTACTTACTCCCCAGGGGGTCTGTAATTAGCCTTGCTGAGACACCTGCANGGAG
 TTGGGAGCTTGGGGGACTCTGGGGCTGAAGCATCTTGAGGTTTCTAAAGAGAAAAAG
 TACAACTGCCCTCGTTTTTTTCAAGACCTGGCTAGAACTGGACCA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015631 unedited
 TTTTTTCTCTTGAACGNAAGAAAAGCATAATAAAGTAGGGTCATTTGCTAGTAGA
 AAATAAGCTGGGATTCCTTTACTTTGGAACTGAGGATAAAGAACTGCTTTCCCA
 CTCGTGTCTGGGCAAAGGGTGTGCCATATGTTGGCAAAGGAACAGACAAAATCAACAG
 CCAGCAGTTTTCTGTTCCAAACAGTTAGCTCCTCTACAGTCCATATGGAAGCTATTCCTG
 AGTTCATTCAAAGTGACAGCAGAAGTGTCTCTCTTTCTGCTTGGCCCACTGTGCCTG
 AAGGCTGATGGATCCAGACCTTGTAACATTACAGTAGGTGTAACATAACCAGAAAGGCT
 GAATGAATGCTCTTGGCCTTCCAGCTTGAGAAGTAAGGGCTCATGTGTATCTGGTGGC
 CTGCAGAGCCCAAAGCAGATAGCTATGATGAATAAAATATTTTATTGCTTTTCTAAAT
 AACTCCTTTATATACAAAGATTCCTTCAGTTAAGTCTCTATTATCCTAAATGCTCTCT
 GGTCATGATCAAGTGAAGTTCTATTTATCCAATATAAGTGGCTGCCTCATAGTTTCTCAT
 ATGGAAAACGAAATCTGATTATTTCTTTCTTCACATAGTCTCTAAGTTGAGAACTCC
 AAGTAGTAAGATGCACATGATAATGATGGGAGAGACTGAGCATTTTTGGAGAACTACTCC
 TCTGCTGAATGCCACTTCTGATGGAATAGAGTCGAATGGCCATTTCAGTCCATTNTAGG
 TTAGGCCCTAGGATGCTGTAGCTTCTGGGGTATGTCCACATAGCTCACAAGAGTTTCAA
 AGATACTGCTGTNACTTGCTGAGAATTCGTATAGACTGGCACTGGTCTATGAAATCGACT
 NCTGTACATGATCTNGCAGGTAGACATGAGATCTACTATGCCACATACCCTGGTCTCAGG
 NAACTGGNTGATAATCAGNAATTCAGTTTANCTGATGCTGCATGCTGTTGAGATCTGNNC
 CCCTCCTCTGGCTGATCAGATACA

Restriction Sites:

NotI-NotI

ACCN:

NM_015631

Insert Size:

2660 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:	<u>NM_015631.2, NP_056446.1</u>
RefSeq Size:	2825 bp
RefSeq ORF:	1290 bp
Locus ID:	26123
UniProt ID:	<u>Q6NUS6</u>
Cytogenetics:	10q24.1
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a member of the tectonic gene family which functions in Hedgehog signal transduction and development of the neural tube. Mutations in this gene have been associated with Orofaciodigital Syndrome IV and Joubert Syndrom 18. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Sep 2012] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a). Sequence Note: A downstream AUG translation start codon is selected for this RefSeq based on better conservation support, and on a higher probability of an N-terminal signal peptide being present in the resulting protein. The use of an alternative upstream AUG start codon would result in a protein that is 18 aa longer at the N-terminus. Translation from the annotated downstream start codon is likely to occur via leaky scanning.