OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC318044

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
Vector:	pCMV6 series

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_015631, the custom clone sequence may differ by one or more nucleotides

ATGCGCACCCCACAGCTCGCGCTCCTGCAAGTGTTCTTTCTGGTGTTCCCCGATGGCGTC
CGGCCTCAGCCCTCTTCCTCCCCATCAGGGGCAGTGCCCACGTCTTTGGAGCTGCAGCGA
GGGACGGATGGCGGAACCCTCCAGTCCCCTTCAGAGGCGACTGCAACTCGCCCGGCCGTG
CCTGGACTCCCTACAGTGGTCCCTACTCTCGTGACTCCCTCGGCCCCTGGGAATAGGACT
GTGGACCTCTTCCCAGTCTTACCGATCTGTGTCTGTGACTTGACTCCTGGAGCCTGCGAT
ATAAATTGCTGCTGCGACAGGGACTGCTATCTTCTCCATCCGAGGACAGTTTTCTCCTTC
TGCCTTCCAGGCAGCGTAAGGTCTTCAAGCTGGGTTTGTGTAGACAACTCTGTTATCTTC
AGGAGTAATTCCCCGTTTCCTTCAAGAGTTTTCATGGATTCTAATGGAATCAGGCAGTTT
TGTGTCCATGTGAACAACTCAAACTTAAACTATTTCCAGAAGCTTCAAAAGGTCAATGCA
ACCAACTTCCAGGCCCTGGCTGCAGAGTTTGGAGGCGAATCATTCACTTCAACATTCCAA
ACTCAATCACCACCATCTTTTTACAGGGCTGGGGACCCCATTCTTACTTACTTCCCCAAG
TGGTCTGTAATAAGCTTGCTGAGACAACCTGCAGGAGTTGGAGCTGGGGGACTCTGTGCT
GAAAGCAATCCTGCAGGTTTCCTAGAGAGTAAAAGTACAACTTGCACTCGTTTTTTCAAG
AACCTGGCTAGTAGCTGTACCTTGGATTCAGCCCTCAATGCTGCCTCTTACTATAACTTC
ACAGTCTTAAAGGTTCCAAGAAGCATGACTGATCCACAGAATATGGAGTTCCAGGTTCCT
GTAATACTTACCTCACAGGCTAATGCTCCTCTGTTGGCTGGAAACACTTGTCAGAATGTA
GTTTCTCAGGTCACCTATGAGATAGAGACCAATGGGACTTTTGGAATCCAGAAAGTTTCT
GTCAGTTTGGGACAAACCAACCTGACTGTTGAGCCAGGCGCTTCCTTACAGCAACACTTC
ATCCTTCGCTTCAGGGCTTTTCAACAGAGCACAGCTGCTTCTCTCACCAGTCCTAGAAGT
GGGAATCCTGGCTATATAGTTGGGAAGCCACTCTTGGCTCTGACTGATGATATAAGTTAC
TCAATGACCCTCTTACAGAGCCAGGGTAATGGAAGTTGCTCTGTTAAAAGACATGAAGTG
CAGTTTGGAGTGAATGCAATATCTGGATGCAAGCTCAGGTTGAAGAAGGCAGACTGCAGC
CACTTGCAGCAGGAGATTTATCAGACTCTTCATGGAAGGCCCAGACCAGAGTATGTTGCC
ATCTTTGGTAATGCTGACCCAGCCCAGAAAGGAGGGTGGACCAGGATCCTCAACAGGCAC
TGCAGCATTTCAGCTATAAACTGTACTTCCTGCTGTCTCATACCAGTTTCCCTGGAGATC
CAGGTATTGTGGGCATATGTAGGTCTCCTGTCCAACCCGCAAGCTCATGTATCAGGAGTT
CGATTCCTATACCAGTGCCAGTCTATACAGGATTCTCAGCAAGTTACAGAAGTATCTTTG
ACAACTCTTGTGAACTTTGTGGACATTACCCAGAAGCCACAGCCTCCAAGGGGCCAACCC
AAAATGGACTGGAAATGGCCATTCGACTTCTTTCCCTTCAAAGTGGCATTCAGCAGAGGA
GTATTCTCTCAAAAATGCTCAGTCTCTCCCATCCTTATCCTGTGCCTCTTACTACTTGGA
GTTCTCAACCTAGAGACTATG

Restriction Sites: Please inquire

ACCN: NM_015631

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).

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_015631.3, NP_056446.2
RefSeq Size:	2750 bp
RefSeq ORF:	1824 bp
Locus ID:	26123
UniProt ID:	Q6NUS6
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.