

Product datasheet for **SC328794**

TCTN1 (NM_001173976) Human Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | TCTN1 (NM_001173976) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | TCTN1 |
| Synonyms: | JBTS13; TECT1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >SC328794 representing NM_001173976.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

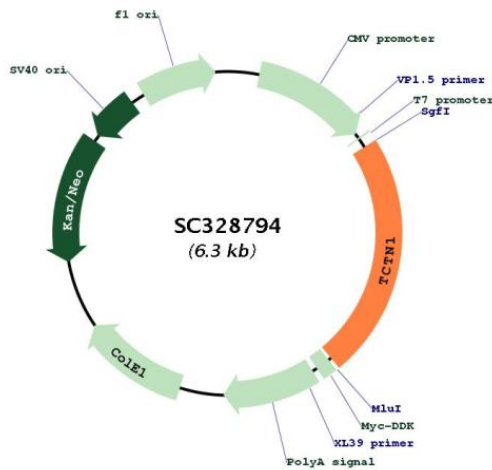
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GCCTGCTCAGTTCAGTTGTACGGGCGACAGCCAGTTTTGTAGTCAAAAAGCAGTCATCTATTCATTG
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TGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites:

SgfI-MluI

Plasmid Map:



ACCN:

NM_001173976

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|-------------------------------|--|
| Insert Size: | 1452 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). |
| 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: | <ol style="list-style-type: none">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_001173976.1 |
| RefSeq Size: | 1969 bp |
| RefSeq ORF: | 1452 bp |
| Locus ID: | 79600 |
| UniProt ID: | Q2MV58 |
| Cytogenetics: | 12q24.11 |
| Protein Families: | Secreted Protein |
| MW: | 52.8 kDa |
| Gene Summary: | <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 (5) includes an alternate exon in the 5' region, initiates translation at an alternate start codon, and lacks an in-frame exon and uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. The resulting isoform (5) has a distinct N-terminus and is shorter than isoform 1.</p> |