

## Product datasheet for **RG230156**

### **TCTN1 (NM\_001173976) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TCTN1 (NM_001173976) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TCTN1
Synonyms:	JBTS13; TECT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG230156 representing NM\_001173976  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGATCACAGCTCACTGCAGCCTCGACCTCCTAGGCTCAGTTGCTGTTCTCTGTGCTGTGACTTATCCC  
 CAGCACAGTGTGACATCAACTGCTGCTGTGATCCCGACTGCAGCTCCGTGGATTTTCAAGTGTCTTTCTGC  
 CTGCTCAGTTCCAGTTGTACGGGCGACAGCCAGTTTTGTAGTCAAAAAGCAGTCATCTATTTCATTGAAT  
 TTTACAGCAAACCCACCTCAAAGAGATTTGAACTTGTGACCAGATTAATCCATCTATTTTCTGCATTC  
 ATATTACAACTATAAACCTGCATTATCCTTTATTAATCCAGAAGTACCTGATGAAAACAATTTTGATC  
 ATTGATGAAAACATCTGATGGTTTTACATTGAATGCTGAATCATATGTTTCCTTACAACCAAACCTGGAT  
 ATTCCTACTGCTGCTAAATATGAGTATGGGGTTCCTCTGCAGACTTCAGATTCGTTTCTGAGATTCCTT  
 CGTCCCTGACATCATCTCTGTGACTGATAATAACCTGCAGCGTTTCTGGTGAACCAAGGCTGTTAAGTG  
 CACCAGAAAAATAAATTTAGAACAGTGTGAAGAAATTGAAGCCCTCAGCATGGCTTTTTACAGCAGCCCG  
 GAAATTCGAGGGTACCTGATTCAGAAAAAAGGTCCCTATCACTGTTCCAGTCCATCGCTATTCAGTCTC  
 TAAATAAAACGCTCACCCGACGGGAGGACACTGATGTGCTGCAGCCGACTCTCGTCAACGCTGGACACTT  
 TAGCCTTTGCGTGAATGTTGTTCTTGAGGTAAAGTACAGCCTCACATACACAGATGCAGGTGAAGTACCC  
 AAAGCTGATCTCTCATTGTTCTGGGGACAGTTAGCAGCGTAGTGGTCCCACTGCAGCAAAAGTTTGAAA  
 TTCATTTTCTTCAGGAAAATACCCAGCCAGTCCCTCTCAGTGGAAACCTGGTTATGTCGTGGGGCTCCC  
 ATTAGCTGCTGGATTCCAGCCTCATAAGGGTGGAGCTCTCCCGTGCAGCTCGTAGCACAGAAGGTGAAG  
 AGCCTGCTGTGGGGCCAGGGCTCCAGATTACGTGGCCCTTTTGAAAATCCAGGCCCAAGGACATGC  
 TGGACTGGGTGCCATCCACTTCAACAGGAAAGCATTGTTGTTTGCAGGATTCCTG  
 CCAGCTCCAGGGGCTTTGGTTATAGAAGTGAAGTGGACTAAATACGGATCCCTGCTGAATCCACAGGCC  
 AAAATAGTCAATGTAACGCAAATCTAATTTTCCTCCTTTCTGAGGCCAACTCAGGAAATGAAAGGA  
 CGATTCTATTTCCACTGCGGTTACTTTTGTGGATGTGCTGCACCTGCAGAGGCAGGCTTCAGAGCTCC  
 ACCAGCCATCAATGCCAGGCTGCCCTTAACTTCTTCCCGTTTGT

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**

**Protein Sequence:**

>RG230156 representing NM\_001173976  
 Red=Cloning site Green=Tags(s)

MITAHCSLDLLGSVAVLCVCDLSPAQCDINCCCDPDCSSVDFSVFSACSVPVVTGDSQFCSQKAVIYSLN  
 FTANPPQRFVFLVDQINPSIFCIHITNYKPALSFINPEVPDENNFDTLMKTSDFTLNAESYVSFTTKLD  
 IPTAAKYEYGVPLQTSDFSFLRFPSLTSSLCTDNNPAAFLVNQAVKCTRKINLEQCEEIEALSMAFYSSP  
 EILRVPDSRKKVPITVQSIQSLNKTLLRRREDTDLQPTLVNAGHFSLCVNVVLEVYKSLTYTDAGEVT  
 KADLSFVLGTVSSVVVPLQKFEIHFLQENTQPVPLSGNPGYVVGGLPLAAGFQPHKGGALPCQLVAQKVK  
 SLLWQGFPDYVAPFGNSQAQDMLDWVPIHFITQSFNRKHVFLQDSCQLPGALVIEVKWTKYGSLLNPQA  
 KIVNVTANLISSSFEANSNERTILISTAVTFVDVSAPAEAGFRAPPAINARLPFNFFFPFV

**TRTRPLE - GFP Tag - V**

**Restriction Sites:**

Sgfl-Mlul

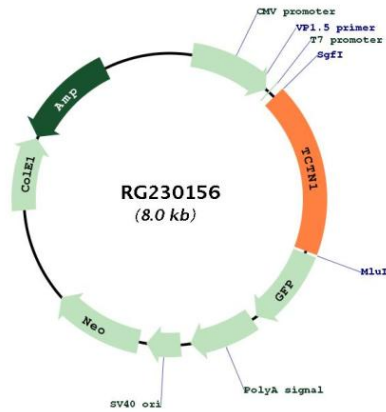


**Cytogenetics:** 12q24.11

**Protein Families:** Secreted Protein

**Gene Summary:** 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]

**Product images:**



Circular map for RG230156