

Product datasheet for **RG208016**

TCTN1 (NM_024549) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCTN1 (NM_024549) 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)



[View online »](#)

ORF Nucleotide Sequence:

>RG208016 representing NM_024549
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGCCGCGAGGTCTCCCGCCGCTCCTGGTGGTGTCTCTGGGCTGCTGGCCCTCCGTGAGCGCCAGAG
 CCGATGCCACCCCGCGGTGACGACAGAGGGCCTCAACTCCACCGAGGCAGCCCTGGCCACCTTCGGAAC
 TTTCCCGTCGACCAGGCCCCCGGGACTCCAGGGCTCCAGGGCCCTCCTCCGGCCCCAGGCCTACCCCA
 GTCACGGACGTTGCTGTTCTCTGTGTGTGACTTATCCCGACACAGTGTGACATCAACTGCTGTGTG
 ATCCCGACTGCAGCTCCGTGGATTTTCAGTGTCTTTTCTGCCTGCTCAGTTCAGTTGTACGGGCGACAG
 CCAGTTTTGTAGTCAAAAAGCAGTCATCTATTCATTGAATTTTACAGCAAACCCACCTCAAAGAGTATTT
 GAACTTGTGACCAGATTAATCCATCTATTTTCTGCATTCATATTACAACTATAAACCTGCATTATCCT
 TTATTAATCCAGAAGTACCTGATGAAAACAATTTTGATACATTGATGAAAACATCTGATGGTTTTACATT
 GAATGCTGAATCATATGTTTCCTTCCACAACCAACTGGATATTCCTACTGCTGCTAAATATGAGTATGGG
 GTTCTCTGCAGACTTCAGATTCGTTTCTGAGATTTCTTTCGTCCTGACATCATCTCTGTGCAGTATA
 ATAACCTGCAGGCCAGGCGTACTGGTTCACACCTGTAATCCCGACTCTGGGAGGCCGAGGCGAGAGG
 ATCACTTGAGGTACCTGATTCAAGAAAAAGGTCCCTATCACTGTTTCACTCCATCGTCATTCACTCTCTA
 AATAAACGCTCACCCGACGGGAGGACTGATGTGTGCTGCAGCCGACTCTCGTCAACGCTGGACACTTTA
 GCCTTTGCGTGAATGTTGTTCTTGAGGTAAGTACAGCCTCACATACACAGATGCAGGTGAAGTACACAA
 AGCTGATCTCTCATTGTTCTGGGGACAGTTAGCAGCGTAGTGGTCCACTGCAGCAAAAGTTTGAATTT
 CATTTTCTCAGGAAAATACCCAGCCAGTCCCTCTCAGTGGAAACCCTGGTTATGTCGTGGGCTCCCAT
 TAGCTGCTGGATTCAGCCTCATAAGGGGTCTGGGATTATTCAGACCACAATAGATATGGACAGCTTAC
 TATTCTTCATAGCACAACTGAGCAAGACTGCTTAGCACTGGAGGGGTCCGGACCCAGTATTATTTGGT
 TACACTATGCAATCTGGCTGTAAGTAAAGTACTGAGTGGAGCTCTCCCGTGTGAGTCTGATGACAGAAAG
 TGAAGAGCCTGCTGTGGGGCCAGGGCTTCCAGATTACGTGGCCCTTTTGGAAATCCAGGCCAGGA
 CATGCTGGACTGGGTGCCATCCACTTCATCACCCAGTCAATCAACAGGAAGGATTCCTGCCAGTCCCA
 GGGGCTTTGGTTATAGAAGTGAAGTGGACTAAATACGGATCCCTGCTGAATCCACAGGCCAAAATAGTCA
 ATGTAAGTCAAATCTAATTTTCCTCCTTTCTGAGGCCAACTCAGGAAATGAAAGGACGATTCTTAT
 TTCCACTGCGGTTACTTTTGTGGATGTGTCTGCACCTGCAGAGGCAGGCTTCAGAGCTCCACCAGCCATC
 AATGCCAGGCTGCCCTTAACTTCTTCCCGTTTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG208016 representing NM_024549
 Red=Cloning site Green=Tags(s)

MRPRGLPPLLVLVLLGCWASVSAQTDATPAVTTEGLNSTEALATFGTFPSTRPPGTPRAPGPSSGPRPTP
 VTDVAVLVCVCDLSPAQCINCCDPDCSSVDFSVFSACSVPVVTGDSQFCSQKAVIYSLNFTANPPQRVF
 ELVDQINPSIFCIHITNYKPAISFINPEVPDENNFDTLMKTSDFTLNAESYVSFTTKLDIPTAAKYEYG
 VPLQTSDFSFLRFPSSLTSSLCTDNNPAGQAYWFTPVIPALWEAEARGSLVPSRKKVPITVQSIIVQSL
 NKTLTRREDTDVLPQTLVNAGHFSLCVNVVLEVKYSLTYTDAGEVTKADLSFVLGTVSSVVVPLQKFEI
 HFLQENTQPVPLSGNPGYVVGLPLAAGFQPHKGSIGIQTNNRYGQLTILHSTTEQDCLALEGVRTPVLF
 YTMQSGCKLRLTGALPCQLVAQVKSLWLGQGFDPDYVAPFGNSQAQDMLDWVPIHFITQSFNRKQDSCQLP
 GALVIEVKWTKYGSLLNPQAKIVNVTANLISSSFPEANSIGNERTILISTAVTFVDVSAPAEAGFRAPPAI
 NARLPNFFFPFV

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_024549

ORF Size: 1719 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_024549.6](#)

RefSeq Size: 1935 bp

RefSeq ORF: 1722 bp

Locus ID: 79600

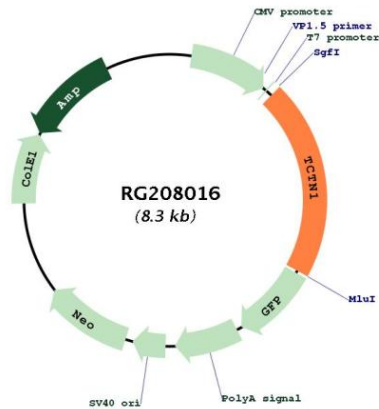
UniProt ID: [Q2MV58](#)

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 RG208016