

Product datasheet for **MR209263**

Tctn3 (NM_026260) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Tctn3
Synonyms:	4930521E07Rik; AII9739I; Tect3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR209263 representing NM_026260
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTGCACCTGCAGCTGCACCTGCTGCTGCTGGTGGTCTGATGCTTTCTGAGACCGCCCGACCGCAGC
 CCTCTCCACAGCCCGGGCTTTCCCCACCTCCTGGGGCTGGAGCCAGTGACGCCCGAAGTGCCAACTC
 AGCTCTCCGGATTCGTCGAGAGTCCGACTCCTGGACTCTATCGATGCCCGTGAACGCGACCCAGC
 CCCTTTCCAGCTTTACCGATCTGTGCTGTGACTTGACTCCGGGTACCTGCGATTTAAACTGCTGCTGTG
 ACAAGGACTGCGATCTTCTCCATCCAGAACAGTCTTTCTTCTGTCTTCTGGTAGTGAAGATCTTC
 AAGTTGGGTATGTGTGGACAACCTCTTTATGTTTCAGGAGCAACTCCCGTTCCCTTCCAGAGTTTTCACG
 GACTCCAGTGAACGACACAGTTTTGTGTCGTGTGAACAACCTCAAAGCAAATATTTCCAGAAGCTCC
 AAACAGTCAATGCAACCAACTCCAGGCCCTGGCTGCAGAGTTCGAGGCCAGTCTTCCCTTCAATGCC
 ACCAGAAACCCAGCCGCCAGTACTATTCTATAGGGCTGGGGATCCATCCTGACCTACTACCCGAGCTGG
 TCTGTGGTGAGCTTACTGAGGCAGCTGCAGCGGTGGGAGCTGGGGGACTTTGTGCCGAGAGCAACCTG
 CAGGTTTCTAGAGAGTAAAGCACAACTGTCTCGTTTCTTTCAGGGACCTGGCCAGTAGCTGCACCTC
 GGAGCCAGCCCTGGATGCTGCTCTTACTATAACTTCAGAGTCTTGAAGTTCCAAGAGGTGTGACTGAT
 CTTCAGAATATGAAGTTCCAGGTTCCTGTGACGCTTGCCTCACAAGCCAGCCCTCCTCTGTTGGCTGGAA
 ACACATGTGCAAAATATCGTTTCCAGGTCTGCTACGAGATAGAGACCAATGGGACCTTTGGGATCCAGAA
 AGTCTCTGTGAGCTTCCGACAGACCAACCTGACTGTCAAGCCAGGGGTCTCCTTACAGCAAGACTTCATC
 GTTCACTTTCAGGGCATTCAACAGAGAAAGGCCGCTGCTCTGCTGCTCCGAGAAGTGGGAATCCTGGCT
 ACCTCACTGGGAAGCCACTCTTAGTGCTAACTGGTGACACAAGTCACTCGATGACCTGTTGCAGAGCGA
 GGGTAATGGGCTTTGCTCTGCTAAGAGACACGCACTACAGTTTGGAGTGAACGCACTATCTGGTGCCAG
 TTAAGACCCAGAGAGGTGAAGTGCAGCCACTTGCAGGAGGAGGTTTATCAGACTCTGCACGGAAGGCCCA
 GACCGGAGCACGTTGCCGTCTTTGGCAACGCTGACCCAGCCAGAGAGGAGGTGGACCAGGATCCTCAG
 CAGAGACTGCAGCGTTTTCAGCAGTTAACTGCACTTCTGCTGTCTGATACCAAGTGTCCCTGGAGATCCAG
 GTGTTGTGGGCACATCTAGGACTTCACTCAACCCACAAAGCTCATGTGGCCGGAGCCAGATTCTCTGTACC
 AATGCAAGTCTGTACAGGAGCACCAGAGAGGAATAGAAGTATCTTTCAGCACTCTTGTGAAGTTTGTGGA
 CATTACCCAGAAGCCAGAGCTCCTAGGGATCAACCCAGAATAGACTGGAAGCTGCCATTCGATTCTTCTC
 TTTCCCTTCAAAGCGCGTTGAGCAGAGGGGCCAGTGTGCAGAAAGACTCTCTCGTTCTCATCTGTGTG
 TCTTACTACTTGGACTTCTCAACTCACAGACCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209263 representing NM_026260
 Red=Cloning site Green=Tags(s)

MCTLQLHLLLLVVLMLSETARQPSSSTARAFPTSWGLEPVTPEVPTSAPPDSSESPTPWTLSMPVNATTD
 PFPALPICVDLTTPGTCDLNCCDKDCDLLHPRTVFSFCLPGSVRSSSWVCVDNSLMFRSNSPFPSPRVFT
 DSSGTTQFCVRVNNKANYFQKLQTVNATNFQALAAEFGGQSFPSPMPETQPPVLFYRAGDPILTYPSW
 SVVSLLRQPAAVGAGGLCAESNPAGFLESKSTTCPRFFRDASSCTSEPALDAASYNFRVLKVPRGVTD
 LQNMKFQVPVTLASQASPELLAGNTCQNIYSQVVEIETNGTFGIQKVSVSFRQTNLTVKPGVSLQQDFI
 VHFRAFQQRKAAAPAPRSGNPGYLTGKPLLVLTGDTSHMTLLQSEGNGLCASAKRHAVQFVNAVSGCQ
 LRPREVNCSHLQEEVYQTLHGRPRPEHVAVFGNADPAQRGGWTRILSRDCSVSAVNCTSCCLIPVSLEIQ
 VLWAHLGLQSNPQAHVAGARFLYQCKSVQEHQRIEVSLLTNVNFVDITQKPEPPRDQPRIDWKLPDFF
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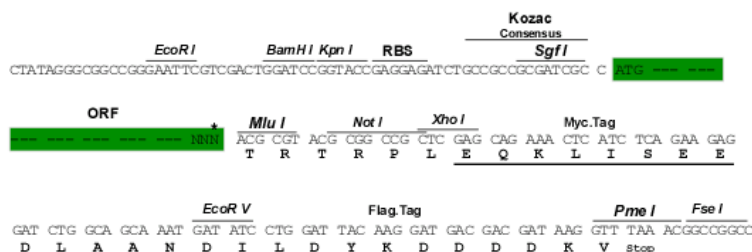
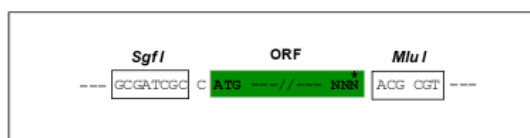
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9014_g04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 026260

ORF Size: 1785 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

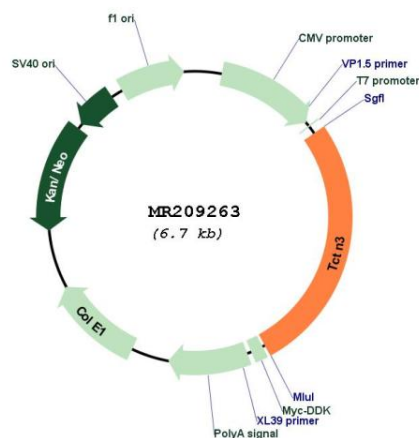
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_026260.3</u>
RefSeq Size:	2754 bp
RefSeq ORF:	1788 bp
Locus ID:	67590
UniProt ID:	<u>Q8R2Q6</u>
Cytogenetics:	19 C3
MW:	65.3 kDa
Gene Summary:	Part of the tectonic-like complex which is required for tissue-specific ciliogenesis and may regulate ciliary membrane composition. May be involved in apoptosis regulation (By similarity). Necessary for signal transduction through the sonic hedgehog (Shh) signaling pathway.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209263