

Product datasheet for **RG206214**

TCTE1 (NM_182539) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCTE1 (NM_182539) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TCTE1
Synonyms:	D6S46; DRC5; FAP155
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG206214 representing NM_182539
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGGATACCGTAACGACATCAGCATTGTTGGACCCAGCCACTCCTCAGTCTCCACCCAGGACAATT
 CCTCCACTGGAGGACACACTTCAAGCACAAAGCCTACAGCTCTCAAAGCCTTCAATCACACCAGTCCCTGC
 AAAGTCCAGGAACCCACGTCCCAGGGCCAATATCCGTCGGATGCGCCGGATCATTGCTGAGGATCTGAG
 TGGTCACTGGCCATCGTGCCCTCCTCACAGAGCTCTGCATTAGCAGCATTATCAGGAACCTCCAGAAAA
 ACCCTATCCTGAAGCAGATGCTCCCGAACACCAGCAGAAGGTCTGAACCACCTGTCCCTGACCTACC
 ACTGGCTGTGACCGCCAACTGATAGACAGTGAGAACTACTGGCTCCGCTGCTGCATGCATCGTGGCCC
 GTGTGCCACGTGGCCACCATTGGCGGCAGCTGGAACGCATGTTCTTCGAGCGGCACCTGGAGAACCTGC
 TAAAGCACTTTATCCAGGCACCACAGACCCTGCGGTGATCCTCGACCTGCTGCCGCTCTGCCGAATTA
 CGTGCGCAGGGTCCAGTCGATCAGTTCCTTCCGCCGGTGCAGCTCCCGCCAGCTCCGGCCGGCGAC
 CAGTCCGACTCAGGCAGCGAGGGAGAGATGGAGGAGCCACCGTTGACCACTACCAACTGGGCGATCTGG
 TAGCTGGCCTGAGCCACCTGGAGGAGCTGGACCTGGTGTACGATGTCAAGGACTGCGGCATGAATTCGA
 GTGGAATCTCTTCTCTTACCTACCGCGACTGCCTCTCCTTGGCAGCCGCCATCAAGGCATGCCACACC
 CTCAAGATCTTCAAGTGACCCGAAGCAAGGTGGATGATGACAAGGCACGCATCATAATTCGAAGCCTTC
 TGGACCACCCAGTCTCGAGGAGCTGGACTTGTACAAAACCTCATTGGAGACCGTGGTGCACGAGGCGC
 TGCCAAGCTGCTGAGCCACAGCCGCTGCGTGTCTCAACCTGGTAAACAACAGGTGCGTGCACCCGGT
 GCCCAGTCCCTGGCTCAGCTCTGGCACACAACCAACCTCATTCCCTCAACCTACGTCTCAACTGCA
 TCGAGGATGAGGGTGGCCAGGCTCTTGCCCATGCCTTGACAGCAACAAGTGCCTCACCAGCTGCACCT
 CGGTGGCAATGAGCTGTCTGAGCCACCCGCCACACTCCTGTACAGGTGCTCGCCATCAACACCACACTC
 ACCAGCATCAACCTGTCTGCAACCACATCGGGTGGACGGTGGGAAGCAGCTCCTGGAAGGCATGTCAG
 ACAACAAGACCTCCTGGAATTTGACTTGCGCCTGTGAGATGTGGCCAGGAAAGCGAGTACCTCATTGG
 CCAGGCCCTCTACGAAACCGAGAAGCAGCCGCCAGCGGCCCTGAATCCCAGCCACTTCATGTCAACC
 ATCACTGCCAATGGCCCTGAGAACTCTGTGGA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

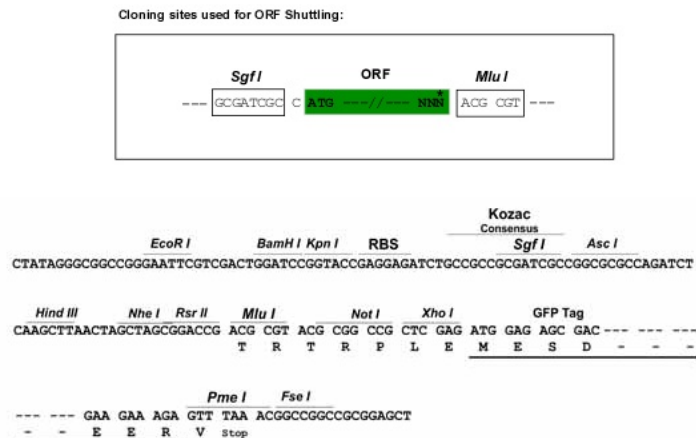
>RG206214 representing NM_182539
 Red=Cloning site Green=Tags(s)

MQDVTTSALLDPSHSSVSTQDNSSTGGHTSSTSLQSKPSITPVPKSRNPRPRANIRMRRIIAEDPE
 WSLAIVPLLTELCTIHIIRNFQKNPILKQMLPEHQKVLNHLSPDLPLAVTANLIDSENYWLRCCMHRWP
 VCHVAHHGGSWKRMFFERHLENLLKHFIPGTTDPVILDLPLCRNYVRRVHVDQFLPPVQLPAQLRPGD
 QSDSGSEGEMEEPTVDHYQLGDLVAGLSHLEELDLVYDVKDCGMNFEWNLFLFTYRDCLSLAAAIKACHT
 LKIFKLTRSKVDDDKARIIRSLLDHPVLEELDLSQNLIGDRGARGAAKLLSHSRLRVNLANNQVRAPG
 AQSLAHALAHNTNLSLNLRLNCIEDEGGQALAHALQTNKCLTTLHLGGNELSEPTATLLSQVLAINTTL
 TSINLSCHNIGLDGGKQLLEGMSDNKTLLEFDLRLSDVAQESEYLIGQALYANREARQALNPSHFMST
 ITANGPENSVG

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_182539

ORF Size: 1503 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_182539.2](#)

RefSeq Size: 1665 bp

RefSeq ORF: 1506 bp

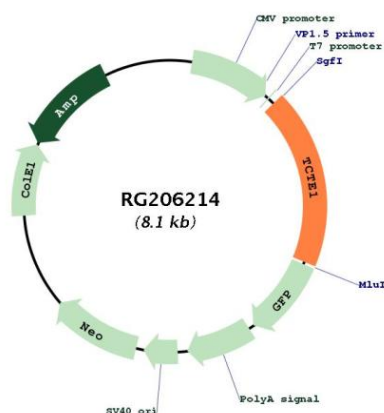
Locus ID: 202500

UniProt ID: [Q5JU00](#)

Cytogenetics: 6p21.1

Gene Summary: Component of the nexin-dynein regulatory complex (N-DRC) a key regulator of ciliary/flagellar motility which maintains the alignment and integrity of the distal axoneme and regulates microtubule sliding in motile axonemes. May play a role in the assembly of N-DRC. May be required for sperm motility.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG206214