

Product datasheet for **RG207665**

TTC30B (NM_152517) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC30B (NM_152517) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TTC30B
Synonyms:	fleer; IFT70; IFT70B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG207665 representing NM_152517
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTGGCCTGAGCGGCGCGCAGATCCCCGACGGGGAGTTCACCGCGGTCTGTACCGCCTCATCCGCA
 ATGCACGCTACGCCGAGGCGGTGACGCTGCTGGGCGGAGAACTGCAGCGAGCCCTAGGAGCCGCGCCGG
 CCTGTCGCTGCTAGGCTACTGCTACTACCGCCTGCAGGAGTTCGCGCTGGCGGCCGAGTGTATGAGCAG
 CTGGGCCAGCTGCACCCGGAAGTGGAGCAGTACCGCCTGTACCAGGCCAGGCCCTATACAAGGCCTGCC
 TTTATGCGGAGGCCACCCGGTGCCTTCTTCTCTGGATAACCCCGCCTACCACAGCCGGTCTCCA
 CCTGCAAGCTGTATCAAGTACAGCGAGGGCGATCTGCCAGGGTCCAGGAGCCTGGTAGAGCAGCTGCCG
 AGTAGGGAAGGGGAGAGGAAAGTGGGGCGGAGAATGAGACCGATGGCCAGATCAACCTGGGTTGTTTGC
 TCTACAAGGAGGGACAGTATGAAGCTGCATGCTCCAAGTTTTTTCGCCCTGCAGGCCTCGGGCTACCA
 GCCTGACCTTTCACAACCTGGCTTTGGCCTATTACAGCAGCCGACAGTATGCTTCAGCACTGAAGCAT
 ATCGCTGAGATTATTGAGCGTGGCATCCGCCAGCACCTGAGCTAGGTGTGGGCATGACCACTGAGGGCA
 TTGATGTTGCGAGTGTGGCAACACCTTAGTCCTCCATCAGACTGCTCTGGTGGAAAGCCTTCAACCTTAA
 GGCAGCTATAGAATACCAACTGAGAACTATGAGGCAGCTCAAGAAGCCCTCACTGACATGCCACCCAGG
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 GCTGCTCTACTGTAATATGAGTATTTGACCTGGCAGCAGATGTCTGGCAGAAAATGCCATTTGATT
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 TCTGTTTCATGCAGGAAAACAAATACAAAGAAGCCATTGGTTTCTATGAACCCATAGTCAAGAAGCATTAT
 GATAACATCCTGAATGTCAGTGTATTGTACTGGCTAATCTCTGTGTTTCTATATTATGACAAGTCAAA
 ATGAAGAAGCAGAGGAGTTGATGAGGAAGATTGAAAAGGAGGAAGAGCAGCTCTTATGATGACCCAGA
 TAAGAAAATGTACCATCTCTGCATTGTGAATTTGGTGTAGGAACTCTTATTGTGCCAAAGGAAATAT
 GACTTTGGTATTTCTCGAGTTATCAAAAGCTTGGAACTTACAACAAAAGCTGGGAACAGACACCTGGT
 ATTATGCCAAAAGATGCTTCTGCTTGTAGAAAACATGTCAAAACACACAATCATGCTTCGTGATAG
 TGTATTCAAGAATGTGTCCAGTTTCTAGAACACTGTGAACCTCATGGCAGAAAACATACCTGCTGTATT
 GAACAACCCCTGGAAGAAGAAAGATGCATGTTGGAAAGAATACAGTCACATATGAGTCTAGGCAGTTAA
 AAGCTTTGATTTATGAGATTATAGGATGGAATATA

ACCGCTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG207665 representing NM_152517
Red=Cloning site Green=Tags(s)

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MAGLSGAQIPDGEFTAVVYRLIRNARYAEAVQLLGGELQRSPRSRAGLSLLGYCYRRLQEFALAAECYEQ
LGQLHPELEQYRLYQAQALYKACLYAEATRVAFLLLDNPAHYHSRVLHLQAAIKYSEGDLPGSRSLVEQLP
SREGGEESGGENETDGGINLGCLLYKEGQYEAACSKFFAALQASGYQPDLSYNLALAYSSRQYASALKH
IAEIIERGIRQHPPELVGVTTEGIDVRSVGNLTVLHQTALVEAFNLKAAIEYQLRNYEAAQEALTMPPR
AEEELDPVTLHNQALMMDARPTEGFELKQFLLQQNPFPPETFGNLLLLYCKYEYFDLAADVLAENAHLI
YKFLTPYLYDFLDAVITCQTAPEEAFIKLDGLAGMLTEVLRKLTIQVQEARHNRDDEAIKAVNEYDETM
EKYIPVMAQAKIYWNLENYPMVEKIFRKSVEFCNDHDVWKLNVAVHVFQMENKYKEAIGFYEPIVKKHY
DNILNVSIAIVLANLCSVYIMTSQNEEAELMRKIEKEEEQLSYDDPKMKMYHLCVNLVIGTLYCAKGNY
DFGISRVIKSLEPYNKKLGTDTWYYAKRCFLSLENMSKHTIMLRDSVIQECVQFLEHCELHGRNIPAVI
EQPLEEERMHVGNKNTVTYESRQLKALIYEIIGWNI
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152517

ORF Size: 1995 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_152517.2](#), [NP_689730.2](#)

RefSeq Size: 2652 bp

RefSeq ORF: 1998 bp

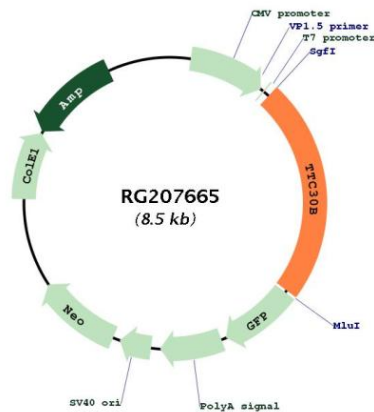
Locus ID: 150737

UniProt ID: [Q8N4P2](#)

Cytogenetics: 2q31.2

Gene Summary: Required for polyglutamylation of axonemal tubulin. Plays a role in anterograde intraflagellar transport (IFT), the process by which cilia precursors are transported from the base of the cilium to the site of their incorporation at the tip.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207665