

Product datasheet for **SC100557**

TTC30A (NM_152275) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC30A (NM_152275) Human Untagged Clone
Tag:	Tag Free
Symbol:	TTC30A
Synonyms:	FAP259; IFT70A; TTC30B
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF: >NCBI ORF sequence for NM_152275, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGGTCTGAGCGGGCGCGAGATCCCCGACGGGGAGTTTACCGCGCTAGTGTACCGGCTCATCCGGG
ATGCCCCGCTACGCCGAGGCGGTGCAGCTGCTGGGCCGAGAAGTGCAGCGGAGCCCCAGGAGCCGTGCCGG
CCTGTGCTGCTAGGCTACTGCTACTACCGCCTGCAGGAGTTCGCGCTGGCGGCCGAGTGTATGAGCAG
CTGGGCCAGCTGCACCCGAACTGGAGCAGTACCGCCTGTACCAGGCCAGGCCCTGTACAAGGCCTGCC
TTTATCCGGAGGCCACTCGGGTGCCTTCTTCTCCTGGATAACCCCGCCTACCACAGCCGGTCTCCCG
CCTGCAAGCTGCCATCAAGTATAGCGAGGGCGATCTGCCAGGGTCCAGGAGCCTGGTGGAGCAGCTGCTG
AGTGGGGAAGGGGAGAAGAAAGTGGAGGCGACAATGAGACCGATGGCCAGGTCAACCTGGGTTGTTTGC
TCTACAAGGAGGGACAGTATGAAGCTGCATGCTCCAAGTTTTCTGCCACACTGCAGGCCTCGGGCTACCA
GCCTGACCTTTCACAACCTGGCTTTGGCCTATTACAGCAGCCGACAGTATGCCTCAGCACTGAAGCAT
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GCAGAGGAAGAGTTGGACCCTGTGACCCTGCACAACCAGGCACTAATGAACATGGATGCCAGGCCTACAG
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ATGAAGAAGCAGAGGAGTTGATGAGGAAGATTGAAAAGGAGGAAGAGCAGCTCTCTTATGATGACCCAAA
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GAGTTTGGTATTTCTCGAGTTATCAAAAAGCTTGGAGCCTTATAATAAAAAGCTGGGAACAGATACCTGGT
ATTATGCCAAAAGATGCTTCTGTCTTGTAGAAAACATGTCAAACACATGATAGTCATTCATGACAG
TGTTATTCAAGAATGTGTCCAGTTTTTAGGACTGTGAACTTTATGGCACAACATACCTGCTGTTATT
GAACAACCCCTCGAAGAAGAAAGAAATGCATGTTGGGAAGAATACAGTCACAGATGAGTCCAGACAATTGA
AAGCTTTGATTTATGAGATTATAGGATGGAATAAGTAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_152275 unedited
 CAGAATTTTGTAAACGACTCACTATAGGGCGGCCGAATTCGGCACGAGGGAAGAGTT
 GGACCCTGTGACCCTGCACAACCAGGCACTAATGAACATGGATGCCAGGCCTACAGAAGG
 GTTTGAAAAGCTACAGTTTTTGTCCAACAAGAATCCCTTCCAGAGACTTTTGGCAA
 CCTGTTGCTGCTACTGTAATATGAGTATTTGACCTGGCAGCAGATGCCTGGCAGA
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 GATCACTTGCCAGACAGCTCCTGAAGAGGCTTTCATTAAGCTTGATGGGCTAGCAGGGAT
 GCTGACTGAGCAGCTTCGGAGACTCACCAAGCAAGTACAGGAAGCAAGACACAACAGAGA
 TGATGAAGCTATCAAAAAGGCAGTGAATGAATATGATGAAACCATGGAGAATACATTCC
 TGTGTTGATGGCTCAGGCAAAAATCTACTGGAATCTTGAAAATTATCCAATGGTGGAAAA
 GATCTTCCGCAAATCTGTGGAATCTGTAAACGACCATGATGTGTGGAAGTTGAATGTGGC
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 TGTTTCTATATTATGACAAGTCAAAATGAAGAAGCAGAGGAGTTGATGAGGAAGATTGA
 AAAGGAGGAAGAGCAGCTCTTATGATGACCCANATANGAAAATGTACCATCTCTGCAT
 TGTGAAATTGGTGATAGGAACTTTTATTGTGCCAAAGGAAACTATGAGTNTGGNTATTN
 NCTCGAGTATCAAAAGCTNGNAGCCTATAATANAAGCTGGGAAACAGATACCTGNTAT
 TATGCCAAAGAATGCTTCTGTTCTTGGTAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_152275 unedited
 NCGTTCCTACTATGNNACCGCGGCCGAANCTANGATCGAGTTTTTTTTTTTTTTTTTTGA
 TATTGATGTGTTTTATTTACAAACGTGCAAATTTCACTTTTGAACAAGGATTTGGGCC
 ATTTTATATGTTACATGATATTAATATTTGCAATCAAGTTATTGGCAGGTCTCACTTAA
 ACTAACAATGCTTATTTTTCACTAGAAATGTACTTATAAGTCTCTATATTCTAATAA
 TTTTTCTTATGAAGCAAGTCTTTTCTAGTAAATACACATTATGATGTTGTAGAACGGA
 TTTTCAGTATGTGGTGGATCAATCTTGGCCCAAATCCAAAGGAGCTGATTTAATTAACAA
 CCAAAAAGAACCTCAATTAATAGTGGTATCAAGTATAGAGTAATCACTTAGTAAAGACTCA
 CTCCCCAAGAGAATATTAACACTATACCTATGGCTAGTAAATTAATTACCGTTTGGCTA
 ATGCTGGCCCTATTTTTCAATATAAAAATGATTATAGATTACAGTAAGGCAAGTGCCTC
 TAAAGTTGAGTATATTTAATCCAGTGTACAGAAATTTAAAATGATACAAATACCTGCAT
 GTCTTTAAAATTTCAAGTCTGTTTTTCTACTGAGTTCAAAAAGTTTAAAAGATGGAGGCTA
 CCACAAATATATAAAAAACTTCACTCTATTCTACAACCTTACATAGATCTAGTACTTTTG
 GTGAGTCTCTTAAAAATTTTTCTGGCATTACCAATCTGAGAGTCACTTTTTATCATATA
 TGTATCTTGTGTTTGCAAAATGCATTTTAAAAGGTTTCCAAGTACCTTGAAATCATAGT
 GCTCACTCACTTACACTTACTGTAAAAAGTTGTTATGCATCTTTTATACCCTGTNTGAG
 GTTCAACTCN

Restriction Sites:

NotI-NotI

ACCN:

NM_152275

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_152275.2](#), [NP_689488.2](#)

RefSeq Size: 4685 bp

RefSeq ORF: 1998 bp

Locus ID: 92104

UniProt ID: [Q86WT1](#)

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]