

Product datasheet for SC317165

TTC21A (NM_001105513) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC21A (NM_001105513) Human Untagged Clone
Tag:	Tag Free
Symbol:	TTC21A
Synonyms:	IFT139A; SPGF37; STI2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317165 representing NM_001105513. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
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TTCCACTGCTTAGAGCTGGGTGTGAGCCACAACCTCCAGGTCCGAGATCACCCCCTTACCACCTCATC
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- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001105513
- Insert Size:** 3819 bp
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<ol style="list-style-type: none">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_001105513.2
RefSeq Size:	4125 bp
RefSeq ORF:	3819 bp
Locus ID:	199223
UniProt ID:	Q8NDW8
Cytogenetics:	3p22.2
MW:	145.6 kDa
Gene Summary:	Intraflagellar transport (IFT)-associated protein required for spermatogenesis (PubMed:30929735). Required for sperm flagellar formation and intraflagellar transport (PubMed:30929735).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter isoform (1).