

Product datasheet for **SC317786**

TTC29 (NM_031956) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC29 (NM_031956) Human Untagged Clone
Tag:	Tag Free
Symbol:	TTC29
Synonyms:	NYD-SP14; SPGF42; TBPP2A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC317786 representing NM_031956.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACCACCCTGCCCCACTGCCATGACACGCCCGAAGCTTACAGCCTTAGCCAGACAGAAGTCGCT
TGCTCCTCCAGAAAAATCCAAGGTCTCAATTGATCAAAGAAAAAGATGACATAGATCATTATCTAGAG
GTAAATTTCAAAGGATTATCAAAGAGGAAGTTGCTGCTTATAGGAACTCCTACAAGAAGATATCTGT
GTGGACATGCTGCGAGATGGTTATCATAAGTCCTTCACCGAGCTCTTCGCTCTGATGGAGCGGTGGGAT
GCCCTGAGGGAGGCTGCGAGAGTCAGGTCCTCTTCTGGCTGCAGAAGCCCTGGAGGAGCAGCCTGAT
AAACTGGATTACCTGTACCATTACCTGACCAGGGCTGAGGACGCTGAGAGGAAAGAATCCTTCGAAGAT
GTACATAATAACTTGTATGCTCTGGCCTGTTACTTCAATAATTCTGAAGACAAGTGGTAAGGAACAC
TTCTATGAACGATGTTTTAAGATTGCTCAGCTGATCAAAATTGACTGTGGGAAGAAAGAAGCCGAGGCA
CACATGCATATGGGTCTTCTCTACGAGGAAGATGGTCAGCTTCTGGAAGCTGCTGAGCATTATGAAGCA
TTCCATCAATTGACACAGGGGCGGATATGGAAGGATGAGACAGGCCGCTCTCTCAACTTGTGGCCTGT
GAGAGTCTCTGAGGACTTACAGATTACTCTCAGACAAAATGCTAGAAAAATAAGAATACAAACAGGCC
ATCAAAATTTCTAATAAAAGCTTCTGAAATAGCCAAAGAAGGAAGTGACAAAAAGATGGAAGCGGAAGCC
TCTTACTACTTGGGCTTAGCACACTTAGCTGCTGAGGAATATGAAACAGCATTACAGTCCTTGACACT
TACTGTAAATCTCCACAGACCTGGATGATGATCTCAGTCTGGGAGAGGCTATGAAGCCATAGCCAAG
GTCCTGCAGAGCCAAGGAGAGATGACAGAAGCAATTAATACTTGAAAAATTTGTGAAATTGCAAGA
AACAAATTTCAAAGCCTAGATTTGGTGAGAGCAAGTACAATGCTTGGGGACATCTACAATGAAAAAGGA
TACTACAACAAAGCTTCTGAATGCTTTTCAAGCAAGCTTTTACACAACAGTAGAGCTAATGAGCATGCCT
CTGATGGATGAGACAAAAGTTCACTATGGAATAGCAAAAGCTCATCAGATGATGCTTACAGTGAACAAC
TATATAGAGTCTGCAGATCTCACCAGCCTCAACTACCTGCTGTCATGGAAGGAGAGCAGAGGTAACATT
GAACCTGATCCAGTTACTGAAGAGTTTAGAGGATCCACAGTGGAAGCTGTATCTCAAACTCAGAACGT
TTGGAAGAACTCAGTAGGTTTCCAGGTGATCAAAAAATGAAACTTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_031956

Insert Size: 1428 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:	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:	<u>NM_031956.3</u>
RefSeq Size:	2179 bp
RefSeq ORF:	1428 bp
Locus ID:	83894
UniProt ID:	<u>Q8NA56</u>
Cytogenetics:	4q31.22
MW:	55.1 kDa
Gene Summary:	Axonemal protein which is implicated in axonemal and/or peri-axonemal structures assembly and regulates flagella assembly and beating and therefore sperm motility.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in its 5' UTR and uses a downstream start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1.