

Product datasheet for **SC123012**

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_031956 edited
 AGGCTTCGGAATCACTGAGAGAGAGGGGGCAGCGCCAACGCCAGCACCTGCCGCCGT
 GGGGACTGACTTCGGCGGAACGGAAACTGGAGTTGTTTCCCTGGGCCAGTGCACCGAG
 GCTGAAGTCTATAAGCCTGGAGAGACCATCAGCAGTAATCTGCAAATCCGAAATGACCA
 CCCTGCCCCACTGCCATGACACGCCCGAAGCTTACAGCCTTAGCCAGACAGAAGCTGC
 CTTGCTCCTCCAGAAAAATCCAAGGTCTCAATTGATCAAAGAAAAAGATGACATAGATC
 ATTATCTAGAGGTAATTTCAAAGGATTATCAAAGAGGAAGTTGCTGCTTATAGGAAC
 CCTACAAGAAATATCTGTGTGGACATGCTGCGAGATGGTTATCATAAGTCCTTCACCG
 AGCTCTTCGCTCTGATGGAGCGGTGGGATGCCCTGAGGGAGGCTGCGAGAGTCAGTCCC
 TCTTCTGGCTGCAGAAGCCCCTGGAGGAGCAGCCTGATAAACTGGATTACCTGTACCATT
 ACCTGACCAGGGCTGAGGACGCTGAGAGGAAAGAATCCTTCGAAGATGTATATAAACT
 TGTATGCTCTGGCCTGTTACTTCAATAATTCTGAAGACAAGTGGGTAAGGAACCACTTCT
 ATGAACGATGTTTTAAGATTGCTCAGCTGATCAAAATTGACTGTGGGAAGAAAGGCCG
 AGGCACACATGCATATGGGTCTTCTCTACGAGGAAGATGGTCAGCTTCTGGAAGTGCTG
 AGCATTATGAAGCATTCCATCAATTGACACAGGGCGGATATGGAAGGATGAGACAGGCC
 GCTCTCTCAACTTGTTGGCCTGTGAGAGTCTCCTGAGGACTTACAGATTACTCTCAGACA
 AAATGCTAGAAAAATAAGAATACAAACAGGCCATCAAAATTTCTAATAAAAGCTTCTGAAA
 TAGCCAAAGAAGGAAGTGACAAAAAGATGGAAGCGGAAACCTCTTACTACTTGGGCTTAG
 CACACTTAGCTGCTGAGGAATATGAAACAGCATTAACAGTCCTTGACACTTACTGTAAT
 CTCCACAGACCTGGATGATGATCTCAGTCTGGGAGAGGCTATGAAGCCATAGCCAAGGT
 CCTGCAGAGCCAAGGAGAGATGACAGAAGCAATTAATACTTGAAAAATTTGTGAAAT
 TGCAAGAAACAATTTTCAAAGCCTAGATTGGTGAGAGCAAGTACAATGCTTGGGGACAT
 CTACAATGAAAAAGGATACTACAACAAAGCTTCTGAATGCTTTTCAGCAAGCTTTTGACAC
 AACAGTAGAGCTAATGAGCATGCCTCTGATGGATGAGACAAAAGTTCACTATGGAATAGC
 AAAAGCTCATCAGATGATGCTTACAGTGAACAACTATATAGAGTCTGCAGATCTACCAG
 CCTCAACTACCTGCTGTATGGAAGGAGCAGAGGTAACATTGAACCTGATCCAGTTAC
 TGAAGAGTTTAGAGGATCCACAGTGAAGCTGTATCTCAAACTCAGAACGTTTGAAGA
 ACTCAGTAGGTTTCCAGGTGATCAAAAAATGAACTTAAAGCAGCTTTTCACTTAACAT
 CAAAGCAAGAAGAAATCCATCATGTACCTTAGACTTCAATACTTGAATAGGAGCATGT
 TACAGATAATATAGAGTTATAATAAAACGACTATGACTCTTTTCATTGAAAAAAAAA
 AAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_031956 unedited
 TCGAGAGCGGAGGCTTCGGAATCACTGAGAGAGGAGGGGGCAGCGCCAACGCCAGCAC
 TGCCGCCGGTGGGGACTGACTTCGGCGGAACGGAAACTGGAGTTGTTTCCCTGGGCCA
 GTGCACCGAGGCTGAAGTCTATAAGCCTGGAGAGACCATCAGCAGTAATCTGCAAATTC
 GAAATGACCACCCTGCCCCACTGCCATGACACGCCCGAAGCTTACAGCCTTAGCCAGA
 CAGAAGCTGCCTTGCTCCTCCAGAAAAATTCAGGCTCTCAATTGATCAAAGAAAAAGAT
 GACATAGATCATTATCTAGAGGTAATTTCAAAGGATTATCAAAGAGGAAGTTGCTGCT
 TATAGGAACCTCTACAAGAAGAATATCTGTGTGGACATGCTGCGAGATGGTTATCATAAG
 TCCTTCACCGAGCTCTTCGCTCTGATGGAGCGGTGGGATGCCCTGAGGGAGGCTGCGAGA
 GTCATGTCCCTCTTCTGGCTGCAGAAGCCCCTGGAGGAGCAGCCTGATAAACTGGATTAC
 CTGTACCATTACCTGACCAGGGCTGAGGACCTGAGAGAAAGATCCTTCAAATGTATATAT
 ACTTGATGCCTGCCTGTACTCATATT

Restriction Sites: Please inquire

ACCN: NM_031956

Insert Size: 1750 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).
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_031956.1</u> , <u>NP_114162.1</u>
RefSeq Size:	1760 bp
RefSeq ORF:	1401 bp
Locus ID:	83894
UniProt ID:	<u>Q8NA56</u>
Cytogenetics:	4q31.22
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.