

Product datasheet for **SC310146**

TTC12 (NM_017868) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC12 (NM_017868) Human Untagged Clone
Tag:	Tag Free
Symbol:	TTC12
Synonyms:	CILD45; TPARM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC310146 representing NM_017868.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGATGCTGATAAAGAGAAAGATTTGCAGAAATTTCTTAAAAATGTGGATGAAATCTCCAATTTAATT
CAGGAGATGAATTCTGATGACCCAGTTGTGCAACAGAAAGCTGTCCTGGAGACAGAAAAGAGACTACTG
CTTATGGAGGAAGACCAGGAGGAGGATGAATGCAGGACCACCTTGAACAAGACTATGATCAGTCCTCCA
CAAAGTGTATGAAGAGTGCAGAAGAAATAAACTCAGAGGCCTTCTTGGCATCTGTGGAGAAGGATGCA
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ATGAAAGTGTGTACCAACCGAGCCAGGCTTATATGAACTTGAGGACTATGAGAAGGCACTGGTG
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CAGACTGAGAGCGGACGAGCCTGATCATCAACACCTTGACCTGACCAGATTATTGGAAGCGCTGGTG
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GAGACTGCATCAGTTATGCTATAAAGATACTAGCTATCTGCACGAATAGTTATCATGAAGCTCGGGAA
GAAGTAATAAGACTGGATAAAAAGTTGAGCGTTATGATGAAGCTGCTCAGCTCGGAGGATGAGGTTCTG
GTGGGCAACGCTGCCCTCTGCCTTGGAAGTGCATGGAGGTGCCAACGTTGCGTCTTCCCTGCTAAAG
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GCAGGCATTGCTCTGGGGAAGCTGTGCACAGCTGAGCCAGATTTGCTGCTCAACTGAGAAAAGCTTCAT
GGCCTAGAAATTTCAACTCTACGATGAAATACATCAGTGATTCTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI
ACCN: NM_017868
Insert Size: 2118 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_017868.3</u>
RefSeq Size:	2330 bp
RefSeq ORF:	2118 bp
Locus ID:	54970
UniProt ID:	<u>Q9H892</u>
Cytogenetics:	11q23.2
Domains:	TPR
MW:	78.8 kDa
Gene Summary:	Cytoplasmic protein that plays a role in the proper assembly of dynein arm complexes in motile cilia in both respiratory cells and sperm flagella.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate in-frame splice junction compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.