

Product datasheet for **SC301481**

TTC7B (NM_001010854) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC7B (NM_001010854) Human Untagged Clone
Tag:	Tag Free
Symbol:	TTC7B
Synonyms:	c14_5685; TTC7L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC301481 representing NM_001010854.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
ATGGCGACCAAGAAGGCAGGCTCGCGGCTGGAGACGGAGATCGAGCGCTGCCGCTCCGAGTGCCAGTG
GAGCGGATCCCTGAGCTCGTCAAGCAGCTGTCGGCCAAGCTCATCGCCAACGATGACATGGCAGAGCTT
CTCCTCGGGGAGTCGAAGCTGGAGCAGTACCTGAAGGAACACCCCTGAGGCAGGGGGCCAGTCCCCGA
GGCCCCAAGCCCAGCTGACTGAGGTCCGCAAGCATCTGACCGCCGCCCTGGACCGAGGGAACCTTAAG
TCAGAATTCCTACAAGAATCCAATCTGATCATGGCCAAGTTGAATTATGTGAAGGTGATTATAAAGAA
GCTCTGAACATTTACGCCCGGTGGGCTGGACGATCTGCCACTGACAGCTGTCCCGCCCTACAGGCTG
CGGGTGATCGCAGAAGCCTACGCTACCAAAGGACTTTGTTGGAGAAGCTGCCTATTTCTTCTTCTACC
AGTAATCTCCATGTGGACCGGAACAGGATGTCATCACCTGTTATGAGAAAGCAGGGGACATCGCACTC
CTGTATCTCCAAGAGATAGAAAGGTAATACTTTCTAATATTCAAACAGAAGCCCTAAGCTGGCCCT
GCTCCCCACGATCAAGAAGTGTGTTTCTAGAAACAGGACTTCAGAGAGCCCATGTCCTCTATTTTC
AAAAATGGGAAGTTGACAAGAGGAGTCGGAAGATTTAGAGAGCTTCTCAGAGCAGTTGAAACAAGAACG
ACTCAAAACCTGCGAATGACAATAGCCAGGCAGCTGGCAGAGATCTTGTGCGGGGTATGTGTGAGCAG
AGCTACTGGAACCTCTGGAGGATCCACCGTGCCAGTCACCTCTGGACGATCCTCTCCGCAAAGGAGCA
AACACAAAAACCTACACTCTCACTCGGAGAGCCCGTGTCTACTCAGGAGAGAACATTTTTTGTCTCAA
GAAAATACGGAAGAAGCCCTGTTGTTATTGCTGATTAGTGAATCAATGGCAACCGGGACGCTGTGCTG
AGCAGGATACCTGAACACAAGAGTGACCGCCTCATCAGTCTGCAGAGTGATCTGTGGTCTATGACTTA
CTCACCATTGCTCTTGAAGAAGAGGCCAGTATGAGATGCTGTCAGAGTGCTAGAAAGAGCCATGAAG
TTTGCTTTGAGGAATTCACCTGTGGTACCAGTTTGTCTGTCCCTGATGGCTGCTGAAAAATCTGCC
CGTGCCGTGAAGGTGCTGAAAGAGTGTATCCGCTGAAGCCAGACGATGCCACCATCCCTCTCTCGCT
GCCAAGCTCTGCATGGGCTCCCTGCACTGGTTGAAGAGGCTGAAAAGTTTGCCAAAACCTGCTGTTGAT
GTGGGAGAGAAAACGTCAGAGTTCAAGGCCAAAGGCTACTTAGCTCTGGGGCTCACGTACAGTCTGCAG
GCCACTGACGCTTCTTTGCGAGGGATGCAGGAGGTCTACAGAGAAAGGCGCTTCTTGCAATTCAGAGG
GCCACAGCCTGTACCCACAGATCACCAAGCAGCTTTCTACCTGGCTCTGCAGTTGCCATCTCCAGA
CAGATCCCAGAGGCTCTGGGTATGTCCGCAAGCTCTCAGCTTCAAGGTGACGATGCCAACTCCCTG
CACCTCCTTGCCCTCTGCTGTCAGCACAGAAGCATTACCATGACGCTCTGAACATCATCGACATGGCC
CTGAGTGAATACCCAGAAAATTTCACTACTGTTTCCAAAGTGAAGTTGACGTAAGTCTGCCGAGGC
CCGACAGAGGCACTGCTGACTTGTAAAGCAGATGCTGCAGATATGGAATCCTGCTACAACCTCACCAAC
CCCAGTGATTCTGGACGTGGGAGCAGCCTCTTAGATAGAACCATTTGCTGACAGACGACAGCTTAATACA
ATTACTTTGCCAGACTTCAGCGATCCCAGACAGGCTCCGTCCATGCCACATCGGTAGCAGCCTCAAGA
GTGGAGCAGGCACTGTGGAAGTGGCTTCGTCTCTGCAGAGCAGTGCCCCTAAGCAGGGCCCCGTGCAC
CCCTGGATGACGCTGGCAGATCTGGTCCATGCAGCTGAAGTCTATATCGGCATCGGGAAGCCTGCA
GAAGCCACAGCCTGTACCAAGAAGCTGCCAACCTCTTCCCAATGTCCACAATGTCCTCTACATGCGC
GGCCAGATTGCTGAGCTCCGGGAAGCATGGACGAGGCGCGCGGTGGTATGAAGAGGCCCTAGCCATC
AGCCCCACCCACGTGAAGAGCATGCAGCGACTGGCCCTGATCCTTACCAGCTAGGCCGCTACAGTCTG
GCGGAGAAGATCCTCCGGGACGCGGTGCAGGTGAAGTGCAGAGCCACAGGGTCTGGAACGGGCTGGGC
GAGGTCTCCAAGCTCAGGGCAACGATGCGGCGGCTACGAGTGCTTCTGACAGCCTTGAGAGTGGAG
GCCAGCAGCCCCGCGTGCCTTACCATCATCCCCGCGTGCTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

Restriction Sites: SgfI-MluI
ACCN: NM_001010854
Insert Size: 2532 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_001010854.1</u>
RefSeq Size:	3443 bp
RefSeq ORF:	2532 bp
Locus ID:	145567
UniProt ID:	<u>Q86TV6</u>
Cytogenetics:	14q32.11
MW:	94.2 kDa
Gene Summary:	Component of a complex required to localize phosphatidylinositol 4-kinase (PI4K) to the plasma membrane. The complex acts as a regulator of phosphatidylinositol 4-phosphate (PtdIns(4)P) synthesis. In the complex, plays a central role in bridging PI4KA to EFR3B and FAM126A, via direct interactions (PubMed:26571211).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer isoform (1).