

Product datasheet for **SC118068**

TTC1 (NM_003314) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: TTC1

Synonyms: TPRI

Mammalian Cell None

Selection:

Vector: pCMV6-XL5

E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF within SC118068 sequence for NM_003314 edited (data generated by NextGen Sequencing)

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ATGGGGGAGAAAGTCAGAGAACTGTGGGGTCCAGAGGATCTGTTAAATGGTTTGAAGGTT
ACAGATACTCAGGAAGCCGAGTGTGCTGGCCCTCCAGTTCCTGATCCCCAAAATCAGCAT
TCCCAGAGTAAGCTGCTCAGGGATGATGAGGCCATCTCCAGGAGGACCAGGGAGAAGAG
GAGTGTTCATGACTGCAGTGCCTCATTTGAGGAGGAGCCAGGAGCGGACAAGTTGAG
AACAAATCTAATGAAGATGTGAATTCCTCTGAAGTACCTAATAGAACTG
GAAAAAATCATGTCGGATGAAGAGAAACAGAAAAGAAGAGAAGAGAGCACTAGACTAAAG
GAGGAGGGAAATGAACAGTTTAAAGAAAGGAGATTATAGAAGCTGAAAGTTCTTATAGT
CGAGCCCTCGAAATGTGCCATCCTGCTTCCAAAAGGAGAGGTCGATTCTATTTTCAAAT
AGAGCTGCAGCAAGGATGAAACAGGACAAGAAAGAAATGGCCATCAATGACTGCAGCAAA
GCAATTCAATTAACCCAGCTATATCAGGGCAATATTGAGGAGAGCAGAGTTGTATGAG
AAGACGGACAAGCTAGATGAAGCCCTGGAAGACTATAAATCTATATTAGAAAAAGATCCA
TCAATACATCAAGCAAGAGAAGCTTGTATGAGATTACCTAAGCAAATTGAAGAACGTAAT
GAAAGACTAAAAGAAGAGATGTTAGGTAAATTAAGATCTTGGGAAGTTGGTTCTCCGA
CCTTTTGGGCTCTCCACGGAATTTCCAGATCAACAGGATTCCTCTACCGGCTCGTAC
TCCATCAATTTCTGTTCAAAATCCAAATAATAACAGATAA
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Clone variation with respect to NM_003314.1



5' Read Nucleotide

Sequence:

>OriGene 5' read for NM_003314 unedited
 GTCACATTTGTATCCGACTCCTATAGGCGGCCGCGCAATTCGCACGAGGGCTCTCAGAGC
 TAAGAAAGTGGAGACCGGAGAAGCTGTGAGCTTTAGCGTCACCTCCCTCACTGGGCAGCAT
 GGGGGAGAAGTCAGAGAACTGTGGGGTTCCAGAGGATCTGTTAAATGGTTTGAAGGTTAC
 AGATACTCAGGAAGCCGAGTGTGCTGGCCCTCCAGTTCCTGATCCCAAAAATCAGCATTC
 CCAGAGTAAGCTGCTCAGGGATGATGAGGCCATCTCCAGGAGGACCAGGGAGATGAGGA
 GTGTTTTTCATGACTGCAGTGCCTCATTTGAGGAGGAGCCAGGAGCGGACAAGGTTGAGAA
 CAAATCTAATGAAGATGTGAATTCCTCTGAAGTATAGTGAAGAATACCTAATAGAACTGGA
 AAAAAACATGTCGGATGAAGAGAAAACAGAAAAGAAGAGAAGAGAGCACTAGACTAAAGGA
 GGAGGGAAATGAACAGTTTAAGAAAGGAGATTATAGAAGCTGAAAGTTCTTATAGTCG
 AGCCCTCGAAATGTGCCATCTGCTTCCAAAAGGAGAGGTCGATTCTATTTTCAAATAG
 AGCTGCAGCAAGGATGAAACAGGACAAGAAAGAAATGGCCATCAATGACTGCAGCAAAAGC
 AATTCAATTAACCCAGCTATATCANGGCAATATTGAGGAGAGCAGAGTTGTATGAGAA
 GACGGACAAGCTAGATGAAGCCCTTGAAGACTATAATCTATATTAGAAAAAGATCCATC
 AATACATCAAGCCAGAGAAGCTTGTATGAGATTACCTAAGCAATTGNAGAACGTAATGTA
 AGACCTAAAGAGAGATGTTAGGTAAATTAAGATCTTGGGAACTTTGTTCCTCCGACCT
 TTTTGGCTCTCCAGGNAATTNCCAGATCCAACAGATTC

3' Read Nucleotide

Sequence:

>OriGene 3' read for NM_003314 unedited
 GGGCCGCAATCTAGAGTCGAGTT
 TTTTTTTTTTAAAGCACAGAAAGCTTTTTTTACCACAGAGGAAATCAGGAAATGCTGGAG
 GCACCTCTTTAGCTGTGTGATCAGGGAGGGGACAGCAGGCGGGAACCCGTCATTAATCA
 TGTTTGGGAGTCTCCCAACCAACAGGTTTGTGTTCAAGAAAGGCTTTTGTGGGCT
 GTGTGTGTGATAATCAGGAAGGTCACCTCAACAAATGGGCTTTTCTGGACATAGGA
 CAGCCAAAATCGGGGACACCAGCTGCACAAACCCACCTTAAATGGAATCAAATTAGG
 TTCATTACATCAGGAAGTACATTTACCCCTGATCATAAAAAGGGACAAGGGAGCCCTGG
 GCTCTACTGGATAGCCTTTTTTTTAAATAAAATGCTTTTAAAGTTAAACATTGGCAGGG
 CCTTTCCCTAGCTAACAGCAAGCAGCACACAATCCAAGTCAGCTTGAAGGCTTTTGG
 TATCTTTGGTATCGGGTATTATTGGGATTTTGAACGAAATTGATGGAGTACCACCCGTA
 GAGGAATCCTGTTGATCTGGAATTTTCCCGGAGAGCCAAAAGGGCGGAGAACCAAG
 TTCCCAAGATCTTTAATTTACCTAACATCTCTTTTTTAGGCTTTCATTACGGTCCTTA
 ATTGGCTTAGGAAATCTAATACCAGCTCTCTTGTGTTGAAGAATTGAAGGATCTTTTCTA
 AATAAATTTAAAGCTTCAAGGCTTATTTANCTTGGCCGGTTTATAACAATTGCTCTCC
 TAATATGCCCTAATATACGGGGTAAATGAATGCTTTGCGGAACATTGAAGCCATTCTTCT
 TGCCCGTTAACCTGTGAAGTCTATTAACAAAAACACCTTCCTTGA

Restriction Sites:

NotI-NotI

ACCN:

NM_003314

Insert Size:

1430 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_003314.1, NP_003305.1</u>
RefSeq Size:	1407 bp
RefSeq ORF:	879 bp
Locus ID:	7265
UniProt ID:	<u>Q99614</u>
Cytogenetics:	5q33.3
Domains:	TPR
Gene Summary:	This gene encodes a protein that belongs to the tetratrico peptide repeat superfamily of proteins. The encoded protein plays a role in protein-protein interactions, and binds to the Galpha subunit of G protein-coupled receptors to activate the Ras signaling pathway. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013] Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.