

## Product datasheet for **SC302965**

### TCN1 (NM\_001062) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TCN1 (NM\_001062) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** TCN1  
**Synonyms:** HC; TC-1; TC1; TCI  
**Mammalian Cell Selection:** None  
**Vector:** pCMV6-XL5  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_001062 edited  
GGGGGTACACTGTTGGAGAGATGAGACAGTCACACCAGCTGCCCTAGTGGGGCTCTTAC  
TGTTTTCTTTTATCCAAGCCAACCTATGCGAGATTTGTGAGGTAAGTGAAGAAAACCTACA  
TCCGCCTAAAACCTCTGTTGAATACAATGATCCAGTCAAACCTATAACAGGGGAACACGCG  
CTGTCAATGTTGTGTTGTCCCTCAAACCTGTTGGAATCCAGATCAAACCTGATGCAAA  
AGATGATCCAACAAATCAAATACAATGTGAAAAGCAGATTGTCAGATGTAAGCTCGGGAG  
AGCTTGCCTTGATTATACTGGCTTTGGGAGTATGTCGTAACGCTGAGGAAAACCTAATAT  
ATGATTACCACCTGATCGACAAGCTAGAAAATAAATTCGAAGCAGAAATTGAAAATATGG  
AAGCACACAATGGCACTCCCTGACTAACTACTACCAGCTCAGCTGGACGTTTTGGCT  
TGTGTCTGTTCAATGGGAACCTCAACCGCCGAAGTTGTCAACCACTTCACTCCTGAAA  
ATAAAAACCTATTATTTTGGTAGCCAGTTCTCAGTAGATACTGGTGAATGGCTGTCCTGG  
CTCTGACCTGTGTGAAGAAGAGTCTAATAAATGGGCAGATCAAAGCAGATGAAGGCAGTT  
TAAAGAACATCAGTATTTATACAAAGTCACTGGTAGAAAAGATTCTGTCTGAGAAAAAAG  
AAAATGGTCTCATTGAAACACATTTAGCACAGGAGAAGCCATGCAGGCCCTCTTTGTAT  
CATCAGACTATTATAATGAAAATGACTGGAATTGCCAACAACTCTGAATACAGTGCTCA  
CGGAAATTTCTCAAGGAGCATTCAAGTAATCAAACGCTGCAGCCCAGGTCTTACCTGCC  
TGATGGGAAAGACCTTCTGGATATTAACAAAGACTCTTCTTGGCTCTGCTTCAGGTA  
ACTTCAACATCTCCGCTGATGAGCCTATAACTGTGACACCTCCTGACTCACAATCATATA  
TCTCCGCAATTACTCTGTGAGAATCAATGAAACATATTTCAACCAATGTCAGTGTGCTAA  
ATGTTTCTGTCTTCTCAGTGTGATGGAGAAAGCCAGAAAATGAATGACTATATTTG  
GTTTCACAATGGAGGAGCGCTCATGGGGCCCTATATCACCTGTATTAGGGCCTATGTG  
CCAACAATAATGACAGAACCTACTGGGAACCTTCTGAGTGGAGGCGAACCACTGAGCCAAG  
GAGCTGGTAGTTACGTTGTCCGCAATGGATAAACTTGGAGGTTCCGCTGGAGCAAATACT  
AATAAGCCCAAACCTTCTCAGCTGCATAAAGCCATTTGCAGTGGAGTCCATGTTTAT  
TGTCTTATGCCTTCTTCTTCAATTTATCCCAGTACGAGCAGGAGATTAATAACCTCCCC  
TTCTCTCTACATGTTCAATAAAAGTTGTTGAAAGATTAACAACCTGTAAAAA  
AAAAAAAAAAAAAAAAAAAA



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_001062 unedited            NNNNGTGCGGTTCACTTTTGTATACGACTCATATAGGGCGGCCGCGATTTCGGCCATTACG            GCCGGGGGTACTACTGTTGGAGAGATGAGACAGTACACCAGCTGCCCTAGTGGGGCTCT            TACTGTTTTCTTTATTCCAAGCCAATATGCGAGATTTGTGAGGTAAGTGAAGAAAAC            ACATCCGCCTAAAACCTCTGTTGAATACAATGATCCAGTCAAATAACAGGGGAACCA            GCGCTGTCAATGTTGTGTTGCCCTCAAACCTGTTGGAATCCAGATCCAAACCTGATGC            AAAAGATGATCCAACAAATCAAATACAATGTGAAAAGCAGATTGTCAGATGTAAGCTCGG            GAGAGCTTGCCTTGATTATACTGGCTTTGGGAGTATGTCGTAACGCTGAGGAAAACCTAA            TATATGATTACCACCTGATCGACAAGCTAGAAAATAAATTCCAAGCAGAAATTGAAAATA            TGAAGACACAAATGGCACTCCCCTGACTAACTACTACCAGCTCAGCCTGGACGTTTTGG            CCTTGTGTCTGTTCAATGGGAATACTCAACCGCCGAAGTTGTCAACCACTTCACTCCTG            AAAATAAAAACTATTATTTTGGTAGCCAGTTCTCAGTAGATACTGGTGAATGGCTGTCC            TGGCTCTGACCTGTGTAAGAAGAGTCTAATAAATGGGCAGATCAAAGCAGATGAAGGCA            GTTTAAAGAACATCAGTATTTATACAAAGTCACTGGTAGAAAAGATTCTGTCTGAGAAA            AAGAAATGGTCTCATTGGAACACATTTAGCACAGGAGAAGCCATGCAGGCCCTCTTTGT            ATCATCAGACTATTATAATTGAN</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_001062 unedited            GGACACCATTTGTGATGGCACTTGCAGGTCCAGNANAGCACTGGGGCAGGGTCACAGGG            ATGCCACCGGGATCTGTTCAAGAAACAGCTATGACCGCGGCCGAATCTAGAGTCGAGG            GCCGAGGCGGCCGACATGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTACAGTTGTTAAT            CTTTCAACAACCTTTTATTGAACATGTAGAGAGAGAAGGGGAGGTTATTAACCTCCTCCTGCT            CGTACTGGGATAAATGAAGAAGAAGGCATAAGGACAATAAATGGAACCTCCACTGCAAA            TGGACTTTATGCAGCTGAGGAAAGTTTGGGCTTATTAGTATTTGCTCCAGCGAACCTCCA            AGTTTTCTCCATTGCGGACAACGTAACCTACCAGCTCCTTGGCTCAGTGGTTCGCCTCCAC            TCAGAAGTTCCCAGTAGGTTCTGTCAATTATTGTTGGCACATAGGCCCTGAATACAGGTGA            TATAGGGCCCCATGAGCGCTCCTCCATTGTGAAACCAATATAGTATCATTCTTTCTG            GGCTTTCTCCATCACACTGAGGAAGACAGAACCATTTAGCACAGTGACATTGGTGAATA            TGTTTCATTGATTCTCACANATTATTTGACGGAAATTTATGATTGTGAGTCAAGAAGTGT            CACAGTTTTTAGGCTCATCAACGGAAGATTTTGAATTTACCTGAAACCCAAACCCCAAG            AAAAATTTCTTTTTTAATTTCCAAGAAAGTCTTTCCCTTCAGGGCAAGTTAAAACCTT            GGGCTTGAACCGTTTGGATTCTTGAATGCCTCTTTGAAAAATTTCCGGGAGCCCTGG            ATTTAAAAGTTTGTGGGCATTTCCAGCCATTTTCATTATAAAAAGCCGGAGAAACCAA            AAGGGCCCGTATGGGTTTTTCCT</p>
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001062
<b>Insert Size:</b>	1600 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
<b>Components:</b>	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:** [NM\\_001062.2](#), [NP\\_001053.2](#)

**RefSeq Size:** 1543 bp

**RefSeq ORF:** 1302 bp

**Locus ID:** 6947

**UniProt ID:** [P20061](#)

**Cytogenetics:** 11q12.1

**Protein Families:** Secreted Protein

**Gene Summary:** This gene encodes a member of the vitamin B12-binding protein family. This family of proteins, alternatively referred to as R binders, is expressed in various tissues and secretions. This protein is a major constituent of secondary granules in neutrophils and facilitates the transport of cobalamin into cells. [provided by RefSeq, Jul 2008]