

Product datasheet for **SC319392**

TCN2 (NM_000355) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCN2 (NM_000355) Human Untagged Clone
Tag:	Tag Free
Symbol:	TCN2
Synonyms:	D22S676; D22S750; II; TC; TC-2; TC2; TC II; TCII
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_000355.2
 GATTAATCAGTGACAGGAAGCTGCGTCTCTCGGAGCGGTGACCAGCTGTGGTCAGGAGAG
 CCTCAGCAGGGCCAGCCCCAGGAGTCTTTCCCGATTCTTGCTCACTGCTCACCCACCTGC
 TGCTGCCATGAGGCACCTTGGGGCCTTCTCTTCTTCTGGGGTCTGGGGGCCCTCAC
 TGAGATGTGTGAAATACCAGAGATGGACAGCCATCTGGTAGAGAAGTTGGCCAGCACCT
 CTTACCTTGGATGGACCGCTTTCCCTGGAGCACTTGAACCCAGCATCTATGTGGCCT
 ACGCCTCTCCAGTCTGCAGGCTGGGACCAAGGAAGACCTTACCTGCACAGCCTCAAGCT
 TGGTTACCAGCAGTGCCTCCTAGGGTCTGCCTTCAGCGAGGATGACGGTACTGCCAGGG
 CAAGCCTTCCATGGGCCAGCTGGCCCTCTACCTGCTCGCTCTCAGAGCCAACTGTGAGTT
 TGTGAGGGCCACAAGGGGGACAGGCTGGTCTCACAGCTCAAATGGTTCTCGAGGATGA
 GAAGAGAGCCATTGGGCATGATCACAAGGGCCACCCACACTAGCTACTACCAGTATGG
 CCTGGGCATTCTGGCCCTGTGTCTCCACCAGAAGCGGGTCCATGACAGCGTGGTGGACAA
 ACTTCTGTATGCTGTGGAACCTTCCACCAGGGCCACCATTCTGTGGACACAGCAGCCAT
 GGCAGGCTTGGCATTACCTGTCTGAAGCGCTCAAACCTCAACCCTGGTGGAGACAACG
 GATCACCATGGCCATCAGAACAGTGAAGAGGAGATCTTGAAGGCCAGACCCCGAGGG
 CCACTTTGGGAATGTCTACAGCACCCCATTTGGCATTACAGTTCCTCATGACTTCCCCAT
 GCGTGGGGCAGAAGTGGGAACAGCATGTCTCAAGGCGAGGGTTGCTTTGCTGGCCAGTCT
 GCAGGATGGAGCCTTCCAGAATGCTCTCATGATTTCCAGCTGCTGCCCGTTCTGAACCA
 CAAGACCTACATTGATCTGATCTTCCAGACTGTCTGGCACCACGAGTCACTGTTGGAACC
 AGCTGCTGAGACCATTCTCAGACCCAAGAGATCATCAGTGTACGCTGCAGGTGCTTAG
 TCTTTGCCCGCTACAGACAGTCCATCTCTGTTCTGGCCGGTCCACCGTGAAGATGT
 CCTGAAGAAGGCCATGAGTTAGGAGGATCACATATGAAACACAGGCCTCCTTGTGAGG
 CCCCTACTTAACCTCCGTGATGGGAAAGCGCCGGAGAAAGGGAGTTCTGGCAGTCTCT
 CCGAGACCCCAACACCCCACTGTTGCAAGGTATTGCTGACTACAGACCCAAGGATGGAGA
 AACCATGAGCTGAGGCTGGTTAGCTGGTAGCCCTGAGTCCCTCATCCAGCAGCCTC
 GCACACTCCCTAGGCTTCTACCCTCCCTCCTGATGTCCCTGGAACAGGAAGTGCCTGAC
 CCTGCTGCCACCTCCTGTGCACTTTGAGCAATGCCCCCTGGGATCACCCAGCCACAAGC
 CCTTCGAGGGCCCTATACCATGGCCACCTTGGAGCAGAGGCCAAGCATCTTCCCTGGG
 AAGTCTTTCTGGCCAAGTCTGGCCAGCCTGGCCCTGCAGGTCTCCATGAAGGCCACCC
 ATGGTCTGATGGGCATGAAGCATCTCAGACTCCTTGGCAAAAAACGGAGTCCGCAGGCCG
 CAGGTGTTGTGAAGACCACTCGTTCTGTGTTGGGGTCTGCAAGAAGGCCTCCTCAGCC
 CGGGGGCTATGGCCCTGACCCAGCTCTCCACTGCTGTAGAGTGGCAGCTCCGAGCT
 GGTGTGGCACAGTAGCTGGGGAGACCTCAGCAGGGCTGCTCAGTGCCTGCCTCTGACAA
 AATTAAGCATTGATGGCCTGTGGACCTGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AA

Restriction Sites: Please inquire

ACCN: NM_000355

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:	<ol style="list-style-type: none">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_000355.2 , NP_000346.2
RefSeq Size:	1987 bp
RefSeq ORF:	1284 bp
Locus ID:	6948
UniProt ID:	P20062
Cytogenetics:	22q12.2
Domains:	Cobalamin_bind
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	<p>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 plasma protein binds cobalamin and mediates the transport of cobalamin into cells. This protein and other mammalian cobalamin-binding proteins, such as transcobalamin I and gastric intrinsic factor, may have evolved by duplication of a common ancestral gene. Alternative splicing results in multiple transcript variants.[provided by RefSeq, May 2010]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>