

Product datasheet for **SC108566**

TCPI eta (CCT7) (NM_006429) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	TCPI eta
Synonyms:	CCTETA; CCTH; NIP7-1; TCPIETA
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF:

>OriGene ORF within SC108566 sequence for NM_006429 edited (data generated by NextGen Sequencing)

ATGATGCCCCACACCAAGTTATCCTATTGAAAGAGGGGACTGATAGCTCCCAAGGCATCCCC
CAGCTTGTGAGTAACATCAGTGCCTGCCAGGTGATTGCTGAGGCTGTAAGAACTACCCCTG
GGTCCCGTGGCATGGACAAGCTTATTGTAGATGGCAGAGGCAAGCAACAATTTCTAAT
GATGGGGCCACAATTCTGAACTTCTTGATGTTGTCCATCCTGCAGCAAGACTTTGGTA
GACATTGCCAAATCCCAAGATGCTGAGGTGGGTGATGGCACCACCTCAGTGACCTTGCTG
GCTGCAGAGTTTCTGAAGCAGGTGAAACCTATGTGGAGGAAGTTTACACCCCAGATC
ATCATTGAGCTTTCCGCACAGCCACCCAGCTGGCAGTTAACAAGATCAAAGAGATTGCT
GTGACCGTGAAGAAGGCAGATAAAGTGGAGCAGAGGAAGCTGCTGGAAAAGTGTGCCATG
ACCGCTCTGAGCTCCAAGCTGATCTCCAGCAGAAAGCTTTCTTTGCTAAGATGGTGGTG
GATGTCAGTGATGATGCTCGATGATTGCTGCAGCTTAAATGATTGGAATCAAGAAGGTA
CAGGGTGGAGCCCTCGAGGATTCTCAGCTGGTAGCTGGTGTTCATTCAAGAAGACTTTC
TCTTACGCTGGGTTTGAATGCAACCCAAAAAGTACCACAATCCCAAGATTGCCCTTTTG
AATGTCGAGCTCGAGTTGAAAGCTGAGAAAGACAATGCTGAGATAAGAGTCCACACAGTT
GAGGATTATCAGGCAATTGTTGATGCTGAGTGGAACATTCTCTATGACAAGTTAGAGAAG
ATCCATCATTCTGAGGCAAAAGTTGTCTTGTCCAACTCCCCATTGGGGATGTGGCCACC
CAGTACTTTGCTGACAGGGACATGTTCTGTGCTGGCCGAGTACCTGAGGAGGATCTGAAG
AGGACAATGATGGCCTGTGGAGGCTCAATCCAGACCAGTGTGAATGCTCTGTGACGAGAT
GTGCTGGGTGATGCCAGGTGTTTGAAGAGACCCAGATTGGAGGCCGAGAGGTACAATTTT
TTTACTGGCTGCCCAAGGCCAAGACATGCACCTTCATTCTCCGTGGCGCGCCGAGCAG
TTTATGGAGGAGACAGAGCGGTCTCTGCATGATGCCATCATGATCGTCAGGAGGGCCATC
AAGAATGATTGAGTGGTGGCTGGTGGCGGGGCCATTGAGATGGAATCTCCAAGTACCTG
CGGGATTACTCAAGGACTATTCCAGGAAAACAGCAGCTGTTGATTGGGGCATATGCCAAG
GCCTTGGAGATTATCCCACGCCAGCTGTGTGACAATGCTGGCTTTGATGCCACAACATT
CTCAACAAGCTGCGGGCTCGGCATGCCAGGGGGTACATGGTATGGAGTAGACATCAAC
AACGAGGACATTGCTGACAACCTTTGAAGCTTTCTGTGGGAGCCAGCTATGGTGGGATC
AATGCCGTGACAGCAGCCTCTGAGGCTGCGTGCCTGATCGTGTCTGTAGATGAAACCATC
AAGAACCCCGCTCGAGTGTGGATGCTCCACAGCAGCAGGCCGGGGCGTGGTGTGGC
CGCCCCACTGA

Clone variation with respect to NM_006429.3
1164 c=>t

**5' Read Nucleotide
Sequence:**

>OriGene 5' read for NM_006429 unedited

GTATACGACTCACTATAGGGCGGCCGGAATTCGCACGAGGGCGGGCCGCTGAATAAGCT
TCCAAATGATGCCACACCAAGTTATCCTATTGAAAGAGGGGACTGATAGCTCCCAAGGCA
TCCCCAGCTTGTGAGTAACATCAGTGCCTGCCAGGTGATTGCTGAGGCTGTAAGAATA
CCCTGGGTCCCGTGGCATGGACAAGCTTATTGTAGATGGCAGAGGCAAGCAACAATTT
CTAATGATGGGGCCACAATTCTGAACTTCTTGATGTTGTCCATCCTGCAGCAAGACTT
TGGTAGACATTGCCAAATCCCAAGATGCTGAGGTGGGTGATGGCACCACCTCAGTGACCT
TGCTGGCTGCAGAGTTTCTGAAGCAGGTGAAACCTATGTGGAGGAAGGTTTACACCCC
AGATCATCATTGAGCTTTCCGCACAGCCACCCAGCTGGCAGTTAACAAGATCAAAGAGA
TTGCTGTGACCGTGAAGAAGGCAGATAAAGTGGAGCAGAGGAAGCTGCTGGAAAAGTGTG
CCATGACCGCTCTGAGCTCCAAGCTGATCTCCACAGAAAGCTTTCTTTGCTAAGATGGT
GGTGGATGCACTGATGCTCGATGATTGCTGCAGCTTAAATGATTGGAATCAAGAA
GGTACAGGGTNGGAGCCCTCGAGGATTCTCAGCTGGTAGCCTGGTGTNGCATTCAGAA
GAACTTTCTACGGCTGGGTTTGAATGCAACCCANAAAGTACCCNACATCCAGNAT
TGCCCTTTTGAATGTGAGCCTCGAGTTNGAAGCTGAGAAAGACATGCTGAGATNAGAGT
TCCACACAGTGAAGATATCAGCCATTTGTGAGGCTGAGTGGAACATTCTCTTTGACAGTA
NNAAAAGACCATCATTCTGAGCCAC

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_006429 unedited <pre> GGATGGCAACTTCCAGGGCCAGGNANAGGCACTGGGGAGGGGTACAGGGATGCCACCCG GGNATCTGGTTCAGGAAACAGCTATGACCGCGGCCGAATCTAGAGTCGAGTTTTTTTTT TTTTTTTTTGAAGTCTTACATTTTATTTAAATAGCCTCCAGTAAGAAGAGAGTGGGCCAA TTACTACCCCTTCTTGTAAAATGAAGTAACCAAGCCAAGGAGGGTAAGTGCACCCAGCA GCCAGCCAGCCATGTGATGGGTGGGTGCCTCTCAGTGGGGCGGCCACGACCACGGCCC CGGCTGCTGCTGTGGGAGCATCCACAGTCGAGCGGGGTTCTTGATGGTTTCATCTACA GACACGATCAGGCACGCAGCCTCAGAGGCTGCTGTCAGCGCATTGATCCGCACCATAGNN AGCTCCACACGAAAGCTTCAAAGTTGTCAGCAATGTCCTCGTTGTTGATGTCTACTCCA TACCATGTACCCCTGGGCATGCCGAGCCCGCAGCTTGTTGAGAATGTTGTGGCATCA AAGCCAGCATTGTACACAGCGTGGCGTGGGATAATCTCCAAGGCCTTGGCATATGCCCC AATCAACAGCTGCTGTTTTCTGGAATAGTCCTTGAGTAATCCCGAGGTAAGTGGAGAG TTCCATCTCAATGGCCCGCCACCAGCCACCACTGATTATTCTTGAGGGCCCTCCTGACG ATCATGACGGTTNNATCTCAGACCGCTCTGTCTCCTATAAACTGCTCGGCGCCGCCAC GGAGAAGAGGGGGCTGCTTGGCCTGGGGCAACCAATAAAATTGGACTTCTCGCTNCA ATTGGGTTNTTAAACCTGGATTGACCAGCAATTTGCGACAGACATCCCTGTTTGA TGGACCTCACGGCAG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_006429
Insert Size:	1730 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:	NM_006429.2 , NP_006420.1
RefSeq Size:	1892 bp
RefSeq ORF:	1632 bp
Locus ID:	10574

UniProt ID: Q99832

Cytogenetics: 2p13.2

Domains: cpn60_TCPI

Gene Summary: This gene encodes a molecular chaperone that is a member of the chaperonin containing TCPI complex (CCT), also known as the TCPI ring complex (TRIC). This complex consists of two identical stacked rings, each containing eight different proteins. Unfolded polypeptides enter the central cavity of the complex and are folded in an ATP-dependent manner. The complex folds various proteins, including actin and tubulin. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 5 and 6. [provided by RefSeq, Oct 2009]

Transcript Variant: This variant (1) encodes the longest isoform (α).