

Product datasheet for **SC215570**

TCP1 epsilon (CCT5) (NM_012073) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	TCP1 epsilon (CCT5) (NM_012073) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CCT5
Synonyms:	CCT-epsilon; CCTE; HEL-S-69; PNAS-102; TCP-1-epsilon
ACCN:	NM_012073
Insert Size:	1636 bp



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Insert Sequence: >SC215570 3'UTR clone of NM_012073
The sequence shown below is from the reference sequence of NM_012073. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATTCGTAAGCCTGGAGAATCTGAAGAA TGAAGACATTGAGAAAATATGTAGCAAGATCCACTTCTGTG
ATTAAGTAAATGGATGTCTCGTGATGCATCTACAGTTATTTATTGTTACATCCTTTCCAGACACTGTA
GATGCTATAATAAAAAATAGCTGTTTGGTAACCATAGTTTCACTTGTTCAAAGCTGTGTAATCGTGGGGG
TACCATCTCAACTGCTTTTGTATTATTGATTAATAAAGAATCTGTTTAAACAACCTTTATCTTCTTTC
GGGTTTAAAGAACGTTTATTGTAACAGTAATTAATGCTGCCTAATTGAAGGGGTTGGGTGGATTTT
TTTTTCTCAAAAATAGCTGTAGGACTATTTAACAGCTTAAACAGGAGCTCTCAAGATGCACTTTCAT
ATTGAGAGGAATATGGGCTTGATCCTCTCCTATCTAAATGGGTGGGCCATTTGATTGTAGAGGGTCCA
CCACAGAATTATGGGATGCCTTAAGTGCTTACTAGTTGCTCACAGCCTAACCTGGCGTGTGTTTA
GGGCTGATGGAGACCCATGTGAGCCTTTGCTTCTGCCCCGGCCCCACCCTGAACACAGCTCATA
CACAGAATCAGGACCAGCATGTGCGAGAGCTGGCCACCAGCACAGGCTTAGGGCAGTTCAGAACCCACTT
GTTTCCCTATCAGAGGGACACAGTGAAGTGGAGGTTAAAGTAAATTACAGGAAATAGGGGAGAACTCTT
GCAGTTACCATGTTTCCAGTAGAGTGACTGAAATTAATTGTAATTAAGTAACTAGCTAACAGT
GATGGGCCAAGACGCTCCGAGAATCTACCGGGATTGTCTGTTTCTGACAACCCAGTGAGGCAGATACAC
TTTCTTACTGCTCACATCTTACAGGTGAGTACTCATAATTGGCCAGCATCTCACCACCAGCAAGTAGTA
GGGCCAGGTCAATCCCAGGCAGTCTGACCCAGAGTGGCCAGCTCATCCCCTACTCTGTTATTTGCTT
GTTAATGATTCTCTAGATTTTCTAAAATAATGTTTCTTAGCATTGTGATGATAAAGCTCATGATGAACT
TTATCACTAGTTATGCCACCTTAACTAGTCAGATTTCTAGAAATTAGGAAATGGTGACTCTTGTCTAAA
TTTGGTTAAGTGATGAATTTGGGTTACCGTCTCATGTGAACCTGGAGATTACCAGTCTTAACTTTTGG
GTCATTGTGTTTTCTCTACATTCATGCATTGGATGTTTTGCTAAATAACTCCTGTGGATTAGGAATGT
GTGCTAATAGCAATCTTCTAATTTTATGTTTATATGGAACCTATGCAGTTGAGTATTGAAAGCTTTAA
ACTGAGTTTATTTACAAGGACTGAGTCTAGCCTACAGAGAACATACAGCAGCCTTCTTTGGACCACAGT
CTTATCCGAGGGTCTGTGGTTGATCAGAAGAGCCACTAAACCAATCCCCTTTCCAAAATTGAACCT
CACAGACGTTCTGTTTTTGTGATTGAGAACTGGTCAATGAACAGGAAGACTTAGAGATGTTTCACA
AGCCTTTGATTTTGTTCATTTATTTGTAATAAACCTCTTCCACGTGA
ACGCGTAAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_012073.5](#)

Summary:

The protein encoded by this gene is a molecular chaperone that is a member of the chaperonin containing TCP1 complex (CCT), also known as the TCP1 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. Mutations in this gene cause hereditary sensory and autonomic neuropathy with spastic paraplegia (HSNSP). Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 5 and 13. [provided by RefSeq, Apr 2015]

Locus ID:

22948

MW:

62.6