

## Product datasheet for **RG206973**

### **CSTF2T (NM\_015235) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CSTF2T (NM_015235) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CSTF2T
Synonyms:	CstF-64T
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG206973 representing NM\_015235  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCGAGTTTGGCGGTGAGAGACCCGGCAATGGATCGATCACTGCGTTCGGTGTTCGTGGGAACATTC  
 CATATGAGGCAACTGAGGAGCAGTTAAAGGACATTTCTCGGAGGTTGGTTCTGTTGTCAGTTCCGGCT  
 GGTATACGATAGAGAGACGGGAAAACCAAGGGCTATGGCTTCTGCGAATACCAAGACCAGGAGACCGCG  
 CTTAGTGCATGCGGAACCTCAATGGGCGGGAGTTCAGTGGGAGAGCGCTTCGGGTGGACAATGCTGCCA  
 GTGAAAAGAATAAGGAGGAGTTAAAGAGCCTCGGGCTGCAGCGCCATTATTGACTCACCTATGGGGA  
 TCCCATCGATCCAGAAGATGCCCTGAATCGATTACCAGAGCAGTAGCCAGTCTCCCCCGGAGCAGATG  
 TTTGAGCTGATGAAGCAGATGAAGCTCTGTGTCCAAAACAGCCACCAGGAAGCTCGAAACATGTTACTTC  
 AAAATCCACAACGGCTTATGCACTGTTGCAGGCACAAGTAGTGATGAGAATCATGGATCCAGAGATTGC  
 TCTGAAAATTCTGCATCGGAAGATACATGTCACACCCTGATCCCAGGCAATCTCAGTCTGTGTCTGTC  
 TCTGGCCCTGGCCCTGGCCCTGGCCCTGGCTCTGCCAGGACCTAATGTTCTGCTGAACCAGCAGAATC  
 CTCAGCTCCTCAGCCTCAGCATTGGCTAGAAGACCTGTGAAGGACATTCCTCCTCTGATGCAGACTCC  
 TATCCAGGGTGGAAATCCAGCTCCAGGGCCAATACCAGCTGCAGTTCGGGAGCTGGTCTGGTTCCTTA  
 ACTCCTGGAGGAGCAATGCAGCCCAACTTGGAAATGCCAGGGGTTGGCCAGTGCCTTTAGAGCGGGGAC  
 AAGTGCAGATGTCAGATCCTAGAGCTCCTATACCTCGCGGACCCGTGACTCCTGGTGGTCTGCCTCCTCG  
 AGGACTGTTAGGAGATGCTCAAATGACCCACGTGGAGGGACTTTGCTTTCAGTCACTGGAGAAGTGGAG  
 CCCAGAGGTTATCTGGTCCACCCATCAGGGTCCCCCATGCATCATGCCTCTGGTCATGACACTCGTG  
 GCCCTTCTCACATGAGATGAGGGGAGGGCCATTAGGAGATCCCAGACTGCTAATTGGAGAGCCAGAGG  
 CCCCATGATAGATCAAAGGGGTCTACCTATGGATGGTAGAGTGGTAGAGATTCTCGAGCGATGGAGACT  
 CGCGCCATGGAAGTCTAGAGACAGTGTAAAGGAGGAGAGGAATGGAGACCTGTGCGATGG  
 AAACCAGAGGGATGGAAGCAAGGGGCATGGATGCAAGAGGATTGGAGATGAGGGGCCCTGTCCCCAGTTC  
 AAGAGGCCCTATGACTGGTGGAAATTCAGGGTCTGGTCCCATAATATAGGGGCAGGTGGCCCTCCTCAG  
 GGACCCAGACAGGTCCCAGGCATTTAGGGTGGGGAATCCTGGAGCTGGTATGCAGGGTACAGGCATAC  
 AAGGAACAGGCATGCAGGGAGCAGGCATACAAGGAGGAGGATGCAGGGGCAGGCATACAAGGAGTCA  
 TATAAAGGAGGAGGTATAACAAGGAGGAGGTATAAGGGGCAAGCAGGCAAGGTGGAAGCCAGCCTAGC  
 AGTTTTAGTCTGGGAGAGCCAGGTCACTCCACAGGATCAGGAGAAGGCAGCTTTGATCATGCAGGTT  
 TCAACTGACTGCAGATCAGATTGCCATGCTGCCCTGAGCAAAGCAGAGTATCCTGATTTAAAGGA  
 ACAAATCCAGAAATCCACTGGAGCGTCT

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG206973 representing NM\_015235  
 Red=Cloning site Green=Tags(s)

MSSLAVRDPAMDRSLRSVFNIPYEATEEQLKDFSEVGSVVSFRLVYDRETGKPKGYGFCEYQDQETA  
 LSAMRNLNREFSGRALRVDNAASEKNKEELKSLGPAAPIIDSPYGDPIPEDAPESITRAVASLPEQM  
 FELMKQMKLCVQNSHQEARNMLLQNPQLAYALLQAQVVMRIMDPEIALKILHRKIHVTPPLIPGKSQSVSV  
 SGPGPGPGPLCPGPNVLLNQNPAPQPQHLARRPVKDIPPLMQTPIQGGIPAPGPIPAAVPGAGPGSL  
 TPGGAMQPQLGMPGVGPVPLERQVQMSDPRAPIPRGPVTPGGLPPRGLLDAPNDRGGTLLSVTGEVE  
 PRGYLGPPHQGPPMHASGHDTRGPPSSHEMRGGPLGDPRLLIIGEPGPMIDQRGLPMDGRGGRDSRAMET  
 RAMETEVLLETRVMERRGMETCAMETRGMEARGMDARGLEMGRPVPSSRGPMTGGIQGPGPINIGAGGPPQ  
 GPRQVPGISGVGNPAGMQGTGIQGTGMQGAGIQGGMQGAGIQVSIQGGIQGGIQGASRQGGSQPS  
 SFSPGQSQVTPQDQEKAAALIMQVLQLTADQIAMLPPEQRQSILILKEIQKSTGAS

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_015235

**ORF Size:** 1848 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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.

**RefSeq:** [NM\\_015235.2](#), [NP\\_056050.1](#)

**RefSeq Size:** 4127 bp

**RefSeq ORF:** 1851 bp

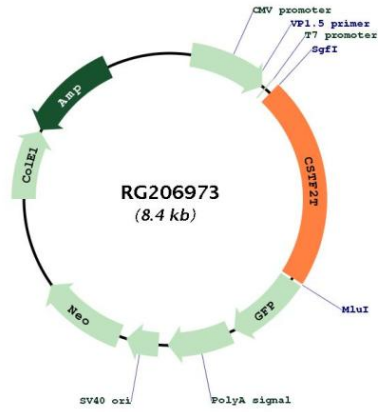
**Locus ID:** 23283

**UniProt ID:** [Q9H0L4](#)

**Cytogenetics:** 10q21.1

**Gene Summary:** May play a significant role in AAUAAA-independent mRNA polyadenylation in germ cells. Directly involved in the binding to pre-mRNAs (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG206973