

## Product datasheet for **RG210761**

### **CSTF3 (NM\_001326) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CSTF3 (NM_001326) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CSTF3
Synonyms:	CSTF-77
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide  
Sequence:**

>RG210761 representing NM\_001326  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCAGGAGACGGAGCCACGGAGCAGGCAGCTGAGTATGTCCCAGAGAAGGTGAAGAAAGCGAAAAGA  
 AATTAGAAGAGAATCCATATGACCTTGATGCTTGAGCATTCTCATTGAGAGGCACAGAATCAACCTAT  
 AGACAAAGCACGGAAGACTTATGAACGCCTTGTGCCAGTTCGCCAGTTCCTGGCAGATTCTGAAACTG  
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 CAAGTAACTGCTCGCAGAAAAGGAGATATGAATAATGCCAAATTTATTTAGTATGAAGCTGCTAATAT  
 ATATGAAAGAGCCATAAGCACTTTATGGAAGAAGATATGCTTCTTTATTTGATATGCAGATTATGAA  
 GAGAGTCGCATGAAGTATGAAAAGGTTACAGTATATATAACAGACTTCTGGCAATTGAGGATATTGACC  
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 GGTCTTTTGTACAAGTGGATGAACTGATGAAAATTTCCGAAGATGCAAGATACCAAACTGTTGAGG  
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 TGCAGTACTACCAAGGCCGTCAAAGGCCAACGAGGATTGAGATGAAGATGAAGAAAAGGGAGCCGTT  
 GTCCCCCTGTTTATGACATTTACAGAGCACGGCAGCAGAAGCGGATTCGG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – **GTTTAA**

**Protein Sequence:** >RG210761 representing NM\_001326  
Red=Cloning site Green=Tags(s)

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MSGDGATEQAAEYVPEKVKAEEKLEENPYDLDAWSILIREAQNPIDKARKTYERLVAQFPSSGRFWKL
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FESNIGDLASILKVEKRRFTAFKEEYEGKETALLVDRYKFMDLYPCSASELKALGYKDVSRAKLAAIIPD
PVVAPSIVPVLKDEVDRKPEYKPDTPQMI PFQPRHLAPPGLHPVPGGVFPVPPAAVVMKLLPPPICFQ
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VPPVHDIYRARQQKRIR
    
```

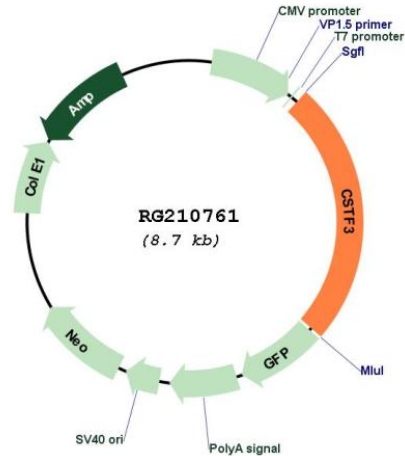
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**


**ACCN:** NM\_001326

**ORF Size:** 2151 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\\_001326.3](#)

**RefSeq Size:** 2846 bp

**RefSeq ORF:** 2154 bp

Locus ID: 1479

UniProt ID: [Q12996](#)

Cytogenetics: 11p13

Domains: HAT

**Gene Summary:** The protein encoded by this gene is one of three (including CSTF1 and CSTF2) cleavage stimulation factors that combine to form the cleavage stimulation factor complex (CSTF). This complex is involved in the polyadenylation and 3' end cleavage of pre-mRNAs. The encoded protein functions as a homodimer and interacts directly with both CSTF1 and CSTF2 in the CSTF complex. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]