

Product datasheet for **RG219192**

CSTF3 (NM_001033505) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CSTF3 (NM_001033505) 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)
ORF Nucleotide Sequence: >RG219192 representing NM_001033505
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCAGGAGACGGAGCCACGGAGCAGGCAGCTGAGTATGTCCCAGAGAAGGTGAAGAAAGCGGAAAAGA
AATTAGAAGAGAATCCATATGACCTTGATGCTTGGAGCATTCTCATTGAGAGGCACAGAATCAACCTAT
AGACAAAGCACGGAAGACTTATGAACGCCTTGTTGCCAGTCCCGAGTCTGGCAGATTCTGGAACTG
TACATTGAAGCAGAGTTACTATTTTATTTTATTTTCTTATATCAGTATTGCAGCATTACTGTAGT
ATAGAAAACAAGTTAGGAACATAGCCAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG219192 representing NM_001033505
Red=Cloning site **Green**=Tags(s)
MSGDGATEQAAEYVPEKVKKAEEKLEENPYDLDAWSILIREAQNPIDKARKTYERLVAQFPSSGRFWKL
YIEAEVTILFYFFLYQYCSIHCSDRKQVRNIAN

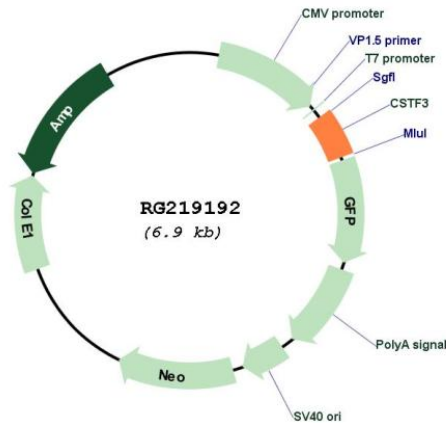
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001033505

ORF Size: 309 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:	<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:	<u>NM_001033505.1</u> , <u>NP_001028677.1</u>
RefSeq Size:	655 bp
RefSeq ORF:	312 bp
Locus ID:	1479
UniProt ID:	<u>Q12996</u>
Cytogenetics:	11p13
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]