

## Product datasheet for **RG216135**

### cleavage stimulation factor (CSTF1) (NM\_001033522) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	cleavage stimulation factor (CSTF1) (NM_001033522) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CSTF1
Synonyms:	CstF-50; CstFp50
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG216135 representing NM_001033522 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTACAGAACCAAAGTGGGCTTGAAGGACCGCCAGCAGCTCTACAAGCTGATCATTAGCCAGCTGCTAT  
ATGACGGTACATCAGCATCGCCAATGGCCTCATCAATGAAATCAAGCCTCAGTCTGTGTGTCACCCTC  
GGAGCAGTCTCTGCATCTCATCAAACCGAATGGAAAACGATGACACCGCAGTTCAGTATGCAATTGGT  
CGTTCAGATACTGTTGCCCTGGCACAGGGATTGACCTGGAATTTGATGCAGATGTTCACTATGTCCC  
CAGAGGCTTCTGAGTACGAAACATGCTATGTCACATCACATAAAGGACCATGCCGTGTAGCTACCTATAG  
TAGAGATGGACAGTTAATAGCTACTGGGTCTGCTGATGCTTCGATAAAGATACTTGACACAGAGAGGATG  
TTGGCCAAAAGTGCCATGCCAATAGAGGTCATGATGAATGAGACCGCACAAACAAATATGAAAAACCACC  
CAGTGATTCGAACTCTTATGACCATGTGGATGAAGTCACGTGCCTTGCTTTCCACCCAACAGAACAGAT  
CCTGGCTTCTGGTTCAAGGGATTACTCTTAAATTTTATTGATTATCCAAACCATCAGCAAAAAGAGCC  
TTCAAATACATTCAGGAAGCTGAAATGTTACGTTCCATCTCTTTTCATCCTTCTGGAGACTTTATACTTG  
TCGGAATCAGCATCCTACTCTTCGCCTTATGATATCAACACCTTTCAATGTTTTGCTCTTGAATCC  
TCAAGATCAACACACCGATGCTATATGTTCCGTTAATTACAATTCTAGTGCCAATATGACGTAACGTA  
AGCAAGGACGGCTGCATCAAATATGGGATGGTGTTCAAATCGATGCATCACAACCTTTGAGAAAAGCAC  
ATGACGGTGTGAAGTTTGTCTGCCATTTTTTCCAAAAATTCTAAATACATTCTCAAGTGAAAAGA  
CTCTGTAGCTAAACTTTGGGAAATATCAACGGGACGAACACTGGTCAGATACACGGGCGCGGTTTAAAGT  
GGACGCCAGGTGCACCGGACACAGGCTGTGTTAACACACCGAGGACTATGTGTTGCTGCCGACGAGA  
GGACGATCAGTCTTGTGCTGGGACTCGAGGACAGCCGAGCGGAGAAACCTGCTGTGTTGGGACAA  
CAATATTGTACGCTGCATAGTGCCTCCCCACCAACCCGGGTTTCATGACGTGCAGCGTACTTCAGA  
GCGCGTTTTGGTACCGGAGATCGACCACTGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG216135 representing NM\_001033522  
 Red=Cloning site Green=Tags(s)

MYRTKVLKDRQQLYKLIISQLLYDGYISIANGLINEIKPQSVCAPSEQLLHLIKLGMENDDTAVQYAIG  
 RSDTVAPGTGIDLEFDADVQTMSPLEASEYETCYVTSKGPVATYSRDGQLIATGSADASIKILDERM  
 LAKSAMP I EVMMNETAQQNMENHPVIRTYLVDHVEVTCCLAFHPTEQILASGRDYTLKLFDYSKPSAKRA  
 FKYIQEAEMLRISFSFHPSGDFILVGTQHPTLRLYDINTFQCFVSCNPQDQHTDAICSVNYNSSANMYVTG  
 SKDGCIKLWDGVSNRICITTFEKAHDGAEVCSAIFSKNSKYILSSGKDSVAKLWEISTGRITLVRYTGAGLS  
 GRQVHRTQAVFNHTEDYVLLPDERTISLCCWDSRTAERRNLLSLGHNNIVRCIVHSPTNPGFMTCSDDFR  
 ARFWYRRSTTD

TRTRPLE - GFP Tag - V

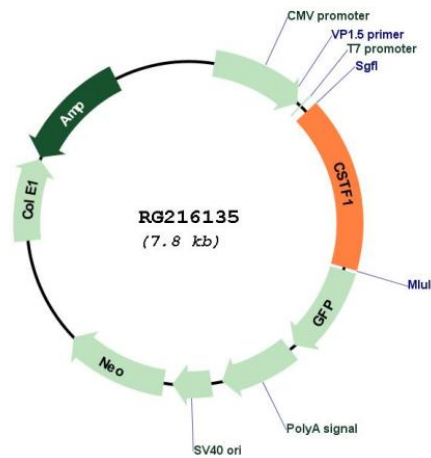
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM\_001033522

<b>ORF Size:</b>	1293 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001033522.2</a>
<b>RefSeq Size:</b>	2292 bp
<b>RefSeq ORF:</b>	1296 bp
<b>Locus ID:</b>	1477
<b>UniProt ID:</b>	<a href="#">Q05048</a>
<b>Cytogenetics:</b>	20q13.2-q13.31
<b>Gene Summary:</b>	This gene encodes one of three subunits which combine to form cleavage stimulation factor (CSTF). CSTF is involved in the polyadenylation and 3'end cleavage of pre-mRNAs. Similar to mammalian G protein beta subunits, this protein contains transducin-like repeats. Several transcript variants with different 5' UTR, but encoding the same protein, have been found for this gene. [provided by RefSeq, Jul 2008]