

Product datasheet for **RG204450**

Cleavage stimulation factor 2 (CSTF2) (NM_001325) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cleavage stimulation factor 2 (CSTF2) (NM_001325) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cleavage stimulation factor 2
Synonyms:	CstF-64
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG204450 representing NM_001325
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGGTTTGACTGTGAGAGACCAGCGGTGGATCGTTCTCTACGTTCTGTGTTCTGGGGAACATTC
 CTTATGAAGCTACTGAAGAGCAGTTGAAGGACATCTTTCTGAGGTTGGACCTGTTGTTAGTTTCAGATT
 GGTATACGATAGAGAGACAGAAAGCCAAAGGGTTATGGCTTCTGTGAATACCAAGACCAAGAGACAGCA
 CTTAGTGCCATGCGGAACCTGAATGGGCGCAATTGAGTGGGAGAGCACTTCGAGTGGACAATGCTGCCA
 GTGAAAAGAACAAGAAGAGCTGAAGAGCCTTGGCACTGGTCCCTGTCATTGAGTACCTTATGGAGA
 GACCATCAGTCTGAGGATGCCCTGAGTCCATTAGCAAAGCAGTTGCCAGCCTCCACCAGAGCAGATG
 TTTGAGCTGATGAAACAAATGAAGCTCTGTGTCCAGAATAGTCCCAGGAGGCACGGAACATGTTACTTC
 AGAACCTCAACTGGCTTATGCTTTGCTGCAAGCACAGGTAGTGTGAGAATTGGGATCCGGAAATTC
 CCTGAAAATTCTGCATCGCCAGACAAATATCCCAACGCTGATTGCAGGCAACCTCAGCCAGTCCATGGT
 GCTGGGCCTGGCTCAGGATCCAATGTGTCAATGAACCAGCAGAATCCTCAGGCCCTCAGGCCAGTCTT
 TGGGTGGAATGCATGTCATGGCGCACCTCCTCTGATGCAAGCTTCTATGCAAGGTGGAGTTCACGACC
 AGGGCAAATGCCAGCTGCTGTACAGGACCTGGCCCTGGTTCTTAGCTCCTGGAGGAGGAATGCAGGCT
 CAGGTTGGAATGCCAGGAAGTGGACCAAGTCCATGGAACGGGGCAAGTCCGATGCAAGACCCAGAG
 CAGCTATGCAGCGGGATCCTTGCTGCGAATGTCCCAACCCCTCGAGGCTTGTAGGAGATGCTCCGAA
 TGATCCACGGGGAGGCACCTTACTTTCTGTAAGTGGAGAGGTAGAGCCTAGAGGTTACTTGGGACCACCT
 CATCAGGGTCCACCATGCACCATGTCCCTGGCCATGAGAGCCGAGGACCACCCACATGAATCAGAGGGTCC
 GAGGCCATTACCCGAGCCAGACCTCTAATGGCAGAACCAAGAGGACCCATGCTAGATCAGAGGGTCC
 ACCCTTGATGGCAGAGGTGGAAGGGATCCCCAGGAATAGATGCACGAGGGATGGAGGCCGAGCCATG
 GAGGCAAGAGGGTTAGATGCCAGAGGATTAGAGGCCCGTCAATGGAGGCCCGTGCATGGAAGCTCGTG
 CAATGGAGGCCGAGCGATGGAGGCCCGTCAATGGAAGTCCGAGGGATGGAGGCCAGAGGCATGGATAC
 CAGAGGCCAGTGCCTGGCCCCAGAGGACCTATACCTAGTGAATGCAGGGTCCAGTCCAATTAACATG
 GGGCGGTTGTCCCCAGGGATCCAGACAGGTCCAGTGCAGGGAACAGGAATGCAAGGAGCAAGTA
 TACAGGGTGAAGCCAGCCTGGCGGCTTAGTCCCGGCAGAACCAAGTCACTCCACAGGATCATGAGAA
 GGCTGCTTTGATTATGCAGGTTCTACAAGTACTGCAGACCAGATTGCCATGTTGCTCCTGAGCAAAGG
 CAGAGTATCTGATTTTAAAGGAACAAATACAGAAATCCACTGGAGCACCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG204450 representing NM_001325
 Red=Cloning site Green=Tags(s)

MAGLTVRDPVDRSLRSVFNIPYEATEEQLKIDIFSEVGPVVSFRLVYDRETGKPKGYGFCEYQDQETA
 LSAMRNLNREFSGRALRVDNAASEKNKEELKSLGTGAPVIESPYGETISPEDAPESISKAVASLPPEQM
 FELMKQMKLCVQNSPQEARNMLLQNPQLAYALLQAQVVMRIVDPEIALKILHRQTNIPTLIAGNPQPVHG
 AGPGSGSNVSMNQNPQAPQAQSLGGMHVNGAPPLMQASMGGVPAPGQMPAAVTGPGPSLAPGGGMQA
 QVGMPGSGPVSMEERGQVPMQDPRAAMQRGSLPANVPTPRGLLDGAPNDPRGTLT SVTGEVEPRGYLGPP
 HQGPPMHVHPGHESRGPPPHELRGGPLPEPRPLMAEPRGPMLDQRPPLDGRGGRDPRGIDARGMEARAM
 EARGLDARGLEARAMEARAMEARAMEARAMEARAMEVRGMEARGMDTRGPVPGPRGPIPSGMQGPSINM
 GAVVPQGSRQVPVMQGTGMQGASIQGGSQPGGSPGQNVQVTPQDHEKAALIMQVLQLTADQIAMPLPPEQR
 QSILILKEIQKSTGAP

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001325

ORF Size: 1731 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_001325.3](#)

RefSeq Size: 2027 bp

RefSeq ORF: 1734 bp

Locus ID: 1478

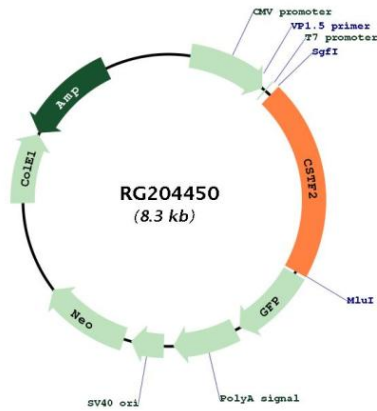
UniProt ID: [P33240](#)

Cytogenetics: Xq22.1

Domains: RRM

Gene Summary: This gene encodes a nuclear protein with an RRM (RNA recognition motif) domain. The protein is a member of the cleavage stimulation factor (CSTF) complex that is involved in the 3' end cleavage and polyadenylation of pre-mRNAs. Specifically, this protein binds GU-rich elements within the 3'-untranslated region of mRNAs. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG204450