

Product datasheet for **SC119306**

Cleavage stimulation factor 2 (CSTF2) (NM_001325) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cleavage stimulation factor 2 (CSTF2) (NM_001325) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cleavage stimulation factor 2
Synonyms:	CstF-64
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC119306 sequence for NM_001325 edited (data generated by NextGen Sequencing)

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ATGGCGGGTTTACTGTGAGAGACCCAGCGGTGGATCGTTCTCTACGTTCTGTGTTCTG
GGGAACATTCCCTTATGAAGCTACTGAAGAGCAGTTGAAGGACATCTTTCTGAGGTTGGA
CCTGTTGTTAGTTTCAGATTGGTATACGATAGAGAGACAGGAAAGCCAAAGGTTATGGC
TTCTGTGAATACCAAGACCAAGAGACAGCACTTAGTGCCATGCGGAACCTGAATGGGCGC
GAATTCAGTGGGAGAGCACTTCGAGTGGACAATGCTGCCAGTAAAAGAACAAGAAAGAG
CTGAAGAGCCTTGGCACTGGTGCCCTGTCATTGAGTCACCTTATGGAGAGACCATCAGT
CCTGAGGATGCCCTGAGTCCATTAGCAAAGCAGTTGCCAGCCTTCCACCAGAGCAGATG
TTTGAGCTGATGAAACAAATGAAGCTCTGTGTCCAGAATAGTCCCCAGGAGGCACGGAAC
ATGTTACTTCAGAACCTCAACTGGCTTATGCTTTGCTGCAAGCACAGGTAGTGATGAGA
ATTGTGGATCCGAAATTGCCCTGAAAATTCTGCATCGCCAGACAAATATCCCAACGCTG
ATTGCAGGCAACCCTCAGCCAGTCCATGGTGTGGCCTGGCTCAGGATCCAATGTGTCA
ATGAACCAGCAGAATCCTCAGGCCCTCAGGCCAGTCTTTGGGTGGAATGCATGTCAAT
GGCGCACCTCCTCTGATGCAAGCTTCTATGCAGGGTGGAGTTCAGCACCAGGGCAAATG
CCAGCTGCTGTACAGGACCTGGCCCTGGTTTCTTAGCTCCTGGAGGAGGAATGCAGGCT
CAGGTTGGAATGCCAGGAAGTGGACCAGTGTCCATGGAACGGGGGCAAGTGCCGATGCAA
GACCCAGAGCAGCTATGCAGCGGGATCCTTGCTGCGAATGTCCCAACCCCTCGAGGC
TTGTTAGGAGATGCTCCGAATGATCCACGGGGAGGCACCTTACTTTCTGTAAGTGGAGAG
GTAGAGCCTAGAGGTTACTTGGGACCACCTCATCAGGGTCCACCCATGCACCATGTCCCT
GGCCATGAGAGCCGAGGACCACCCACATGAAGTGGGGGAGGGCCATTACCCGAGCCC
AGACCTTAATGGCAGAACCAAGAGGACCCATGCTAGATCAGAGGGTCCACCCTTGGAT
GGCAGAGGTGGAAGGGATCCCCGAGGAATAGATGCACGAGGGATGGAGGCCCGAGCCATG
GAGGCAAGAGGGTTAGATGCCAGAGGATTAGAGGCCCGTGAATGGAGGCCCGTGCATG
GAAGCTCGTGCAATGGAGGCCGAGCGATGGAGGCCCGTGAATGGAAGTCCGAGGGATG
GAGGCCAGAGGCATGGATACCAGAGGCCAGTGCCTGGCCCCAGAGGACCTATACCTAGT
GGAATGCAGGGTCCCAGTCCAATTAACATGGGGGCGGTTGTCCCCAGGGATCCAGACAG
GTCCCAGTCATGCAGGGAACAGGAATGCAAGGAGCAAGTATACAGGGTGGAGCCAGCCT
GGCGGCTTGTAGTCCCGGGCAGAACCAAGTCACTCCACAGGATCATGAGAAGGCTGCTTTG
ATTATGCAGGTTCTACAAGTACTGCAGACCAGATTGCCATGTTGCCTCCTGAGCAAAGG
CAGAGTATCCTGATTTTAAAGGAACAAATACAGAAATCCACTGGAGCACCTTGA
    
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Clone variation with respect to NM_001325.2

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_001325 unedited
GTAATACGACTCACTATAGGGCGGCCGAATTCGGCACGAGGGGAAGCCGACTCAACAG
AGCTATGGCGGGTTTACTGTGAGAGACCCAGCGGTGGATCGTTCTCTACGTTCTGTGTT
CGTGGGGAACATTCCCTTATGAAGCTACTGAAGAGCAGTTGAAGGACATCTTTTCTGAGGT
TGGACCTGTTGTTAGTTTCAGATTGGTATACGATAGAGAGACAGGAAAGCCAAAGGGTTA
TGGCTTCTGTGAATACCAAGACCAAGAGACAGCACTTAGTGCCATGCGGAACCTGAATGG
GCGCGAATTCAGTGGGAGAGCACTTCGAGTGGACAATGCTGCCAGTAAAAGAACAAGAA
AGAGCTGAAGAGCCTTGGCACTGGTGCCCTGTCATTGAGTCACCTTATGGAGAGACCAT
CAGTCCTGAGGATGCCCTGAGTCCATTAGCAAAGCAGTTGCCAGCCTTCCACCAGAGCA
GATGTTTGTAGCTGATGAAACAAATGAAGCTCTGTGTCCAGAATAGTCCCCAGGAGGCACG
GAACATGTTACTTCAGAACCCTCAACTGGCTTATGCTTTGCTGCAAGCACAGGTAGTGAT
GAGAATTGTGGATCCGGAATTCGCTGAAAATTCATGCATCGCCAGACAAATATCCCAAC
GCTGATTGCAGGCAACCCTCAGCCAGTCCATGGTGTGGGCTGGCTCANGATCCCATGT
GTCAATGAACCAGCAGAAATCCTTCAGGCCCTCAGCCAGTCTTTGGGNTGGAATGCATG
TCATGGGCGCACCTNCTCTGNATGCAGCTTTATGCAGGGTGGAGNTCCAGCACAGGGCA
ATGGCAGCTGCTGTACAGGACCTGGNCCCTGGTNTTTACTNCTGNNAGAGAAATGCAGC
T
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_001325 unedited CAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTGTGTTCAAAGTTTATTTCAAGTCACAG AAAATATACAACTAAGACAATAAAATGAAGTGATTTTGTCTGAGAGAAGGTGATGGGA GTCCTCCACCTGGCACTGATTTGAGTCATTCAAGGTTAAGATGCAAGTCATCTTTTTTC AATATTTCAACAAAATTATAGAATTTCCAGATTTCTTGCCAGGTATTTTTGAAAACCTAT CAAGGTGCTCCAGTGGATTTCTGTATTTGTTCTTTAAAAATCAAGATACTCTGCCTTTGC TCAAGAGGCAACATGGCAATCTGGTCTGCAGTCAGTTGTAGAACCCTGCATAATCAAAGCA GCCTTCTCATGATCCTGTGGAGTGAAGTGGTTCTGCCCGGACTAAAGCCGCCAGGCTGG CTTCCACCTGTATACTTGTCTCCTTGCATTCTGTTCCTGCATGACTGGGACCTGTCTG GATCCCTGGGGACAACCGCCCCATGTTAATTGGACTGGGACCCTGCATTCCACTAAGT ATAGGTCTCTGGGGCCAGGCACTGAGCCTCTGGTATCCATGCCTCTGGCCTCCATCCCT CGGACTTNCATTGCACGGGCCTCCATCGCTCGGGCCTCCATTGCACGAGCTTCCATCGCA CGGGCCTCCATAGCACGGGCCTAATCCTCTGGCATCTACCCTCTTGCCTCCATGGCTC GGGCCTCCTCCGTGCATCTATTCTCGGGATCCTTCCACCTCTGCCATCCAGTTG GACCCCTCTGATCANCATGGTCTCCTGGTCTGCATANAAGGCTGGGCTCGGTATGACC CTCCCTCATTATGTGGGAGGCCCTGGCTCTCATGCCAGGACATGGGCATGGTGGACCT GATGAGGGGGCCAGTAAACCCTAGGCTTACTCCTCGTACCAAAGAAAGGGCTCCCCGGAA TATCCGGACATTTCTACAACCCGAGGGTTGAACTCC
Restriction Sites:	NotI-NotI
ACCN:	NM_001325
Insert Size:	1950 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_001325.1</u> , <u>NP_001316.1</u>
RefSeq Size:	1978 bp
RefSeq ORF:	1734 bp
Locus ID:	1478
UniProt ID:	<u>P33240</u>
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]

Transcript Variant: This variant (2) lacks an alternate in-frame exon in the central coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1.