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Product datasheet for RC210761

CSTF3 (NM_001326) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CSTF3 (NM_001326) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CSTF3
Synonyms:	CSTF-77
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC210761 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCAGGAGACGGAGCCACGGAGCAGGCAGCTGAGTATGTCCCAGAGAAGGTGAAGAAAGCGGAAAAGA
AATTAGAAGAGAATCCATATGACCTTGATGCTTGGAGCATTCTCATTCGAGAGGCACAGAATCAACCTAT
AGACAAAGCACGGAAGACTTATGAACGCCTTGTTGCCCAGTTCCCCAGTTCTGGCAGATTCTGGAAACTG
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AGGTTTTGCACATTGATTTATGGAAGTGTTATCTTTCATATGTCCGAGAAACCAAGGGTAAACTACCAAG
TTACAAAGAAAAAATGGCTCAAGCATATGACTTTGCACTGGATAAAATTGGAATGGAAATTATGTCCTAT
CAGATTTGGGTGGATTACATCAATTTCCTAAAAGGCGTGGAAGCTGTAGGATCTTATGCAGAAAATCAAA
GAATAACAGCTGTCCGAAGAGTTTATCAACGAGGTTGTGTTAATCCGATGATCAACATTGAACAGCTCTG
GAGAGACTATAACAAGTATGAAGAGGGTATCAATATTCATTTAGCTAAAAAAATGATTGAAGATCGGAGT
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CTCCCTCGGTGCCTCCTCAGAATACTCCTCAAGAAGCTCAACAAGTAGATATGTGGAAGAAATATATACA
GTGGGAAAAGAGCAACCCTCTTCGTACAGAGGATCAGACCCTTATAACAAAAAGAGTTATGTTTGCTTAT
GAACAGTGCCTGCTTGTGCTGGGCCATCACCCTGATATTTGGTATGAAGCTGCCCAGTATCTTGAGCAGT
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ATATGAAAGAGCCATAAGCACTTTATTGAAGAAGAATATGCTTCTTTATTTTGCATATGCAGATTATGAA
GAGAGTCGCATGAAGTATGAAAAGGTTCACAGTATATATAACAGACTTCTGGCAATTGAGGATATTGACC
CTACCTTGGTATATATCCAATATATGAAATTTGCACGGAGAGCAGAAGGCATCAAATCTGGAAGAATGAT
ATTTAAAAAAGCAAGAGAAGATACCAGAACCCGCCACCATGTCTATGTTACTGCAGCACTCATGGAATAT
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TGGAGTGTTCCCAGTCCCTCCTGCAGCTGTTGTTTTAATGAAACTTCTCCCTCCTCCTATCTGTTTCCAG
GGTCCTTTTGTACAAGTGGATGAACTGATGGAAATTTTCCGAAGATGCAAGATACCAAATACTGTTGAGG
AAGCTGTGAGGATCATTACTGGTGGGGCCCCAGAGCTAGCTGTAGAAGGCAACGGCCCCGTGGAAAGTAA
TGCAGTACTCACCAAGGCCGTCAAAAGGCCCAACGAGGATTCAGATGAAGATGAAGAAAAGGGAGCCGTT
GTCCCCCCTGTTCATGACATTTACAGAGCACGGCAGCAGAAGCGGATTCGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC210761 protein sequence
Red=Cloning site Green=Tags(s)

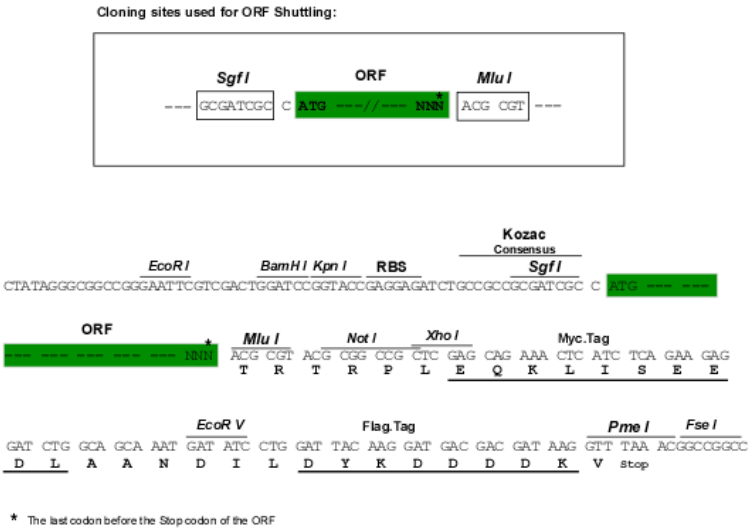
MSGDGATEQAAEYVPEKVKKAEKKLEENPYDLDAWSILIREAQNQPIDKARKTYERLVAQFPSSGRFWKL
YIEAEIKAKNYDKVEKLFQRCLMKVLHIDLWKCYLSYVRETKGKLPSYKEKMAQAYDFALDKIGMEIMSY
QIWVDYINFLKGVEAVGSYAENQRITAVRRVYQRGCVNPMINIEQLWRDYNKYEEGINIHLAKKMIEDRS
RDYMNARRVAKEYETVMKGLDRNAPSVPPQNTPQEAQQVDMWKKYIQWEKSNPLRTEDQTLITKRVMFAY
EQCLLVLGHHPDIWYEAAQYLEQSSKLLAEKGDMNNAKLFSDEAANIYERAISTLLKKNMLLYFAYADYE
ESRMKYEKVHSIYNRLLAIEDIDPTLVYIQYMKFARRAEGIKSGRMIFKKAREDTRTRHHVYVTAALMEY
YCSKDKSVAFKIFELGLKKYGDIPEYVLAYIDYLSHLNEDNNTRVLFERVLTSGSLPPEKSGEIWARFLA
FESNIGDLASILKVEKRRFTAFKEEYEGKETALLVDRYKFMDLYPCSASELKALGYKDVSRAKLAAIIPD
PVVAPSIVPVLKDEVDRKPEYPKPDTQQMIPFQPRHLAPPGLHPVPGGVFPVPPAAVVLMKLLPPPICFQ
GPFVQVDELMEIFRRCKIPNTVEEAVRIITGGAPELAVEGNGPVESNAVLTKAVKRPNEDSDEDEEKGAV
VPPVHDIYRARQQKRIR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6692_c03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001326

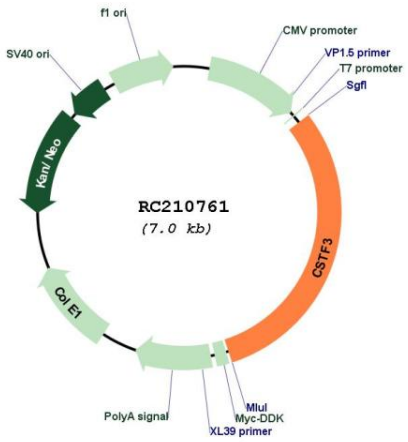
ORF Size: 2151 bp

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

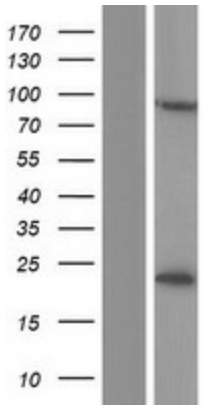
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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
MW:	82.9 kDa
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]

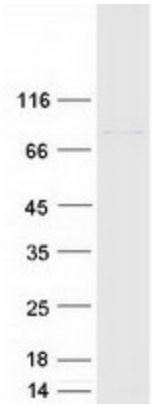
Product images:



Circular map for RC210761



Western blot validation of overexpression lysate (Cat# [LY419997]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210761 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CSTF3 protein (Cat# [TP310761]). The protein was produced from HEK293T cells transfected with CSTF3 cDNA clone (Cat# RC210761) using MegaTran 2.0 (Cat# [TT210002]).