

## Product datasheet for **MR210253**

### **Cstf3 (NM\_145529) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cstf3 (NM_145529) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cstf3
Synonyms:	4732468G05Rik; C79532; CstF-77
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR210253 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCAGGAGACGCAGCCGCGGAGCAGGCAGCGGAATATGTCCCAGAGAAGGTGAAGAAAGCGGAAAAGA  
 AATTAGAAGAAAATCCATATGACCTTGATGCTTGAGCATTCTCATTGAGAGGCACAGAATCAACCTAT  
 AGACAAAGCACGGAAGACTTACGAACGCCTTGTTGCCAGTTCGCCAGTTCCTGGCAGATTCTGAAACTG  
 TACATTGAAGCAGAGATTAAGCTAAAAATTATGACAAGGTTGAAAAGCTATTTCAAAGATGCCTTATGA  
 AGGTTTTGCACATTGATTTATGGAAGTGTATCTTTACATACGTCAGAGAAAACCAAGGGTAAACTGCCAG  
 CTACAAAGAAAAATGGCTCAAGCTTATGACTTTGCACTAGATAAAAATTGGAATGGAATATATGCCTAT  
 CAGATTTGGGTGGATTACATCAATTTCTAAAAGGAGTGAAGCTGTAGGATCTTATGCAGAAAATCAGA  
 GAATAACTGCTGCCGAAGATTTATCAACGAGGTTGTGTTAATCCAATGATCAACATTGAACAACCTCTG  
 GAGAGACTACAACAAGTATGAAGAGGGTATCAATATTCATTTAGCTAAAAAGATGATTGAAGATCGGAGT  
 AGAGACTACATGAATGCTAGACGTGTAGCAAAGGAATACGAGACAGTCATGAAAGGTTTGGACCGCAATG  
 CTCTTCAGTGCCTCCTCAGAATACTCCTCAAGAAGCTCAGCAAGTGGACATGTGGAAGAAGTACATCCA  
 GTGGGAGAAGAGCAACCTCTTCGCACAGAGACCAGACCCTGATAACCAAAAAGAGTTATGTTTTGCCTAT  
 GAACAGTGCCTCCTTGCTGGGCCATCACCTGATATCTGGTATGAAGCTGCCAGTATCTGGAACAGT  
 CGAGTAAGCTGCTTGAGAAAAGGGGACATGAACAATGCCAAGTATTTAGTGACGAAGCTGCTAATAT  
 TTATGAAAGAGCCATAAGCACGTTATTAAGAAGAACATGCTCCTTTATTTGCATATGCAGATTATGAA  
 GAGAGTCGCATGAAGTATGAGAAGGTTACAGTATATATAACAGACTTCTGGCAATTGAGGACATTGACC  
 CCACCTTAGTATATATTCAGTATATGAAATTTGCAAGGAGAGCAGAAGGTATCAAATCTGGAAGAATGAT  
 ATTTAAAAAGCAAGAGAGGATGCCAGGACCCGCCATCATGTCTATGTAAGTGCAGCCCTCATGGAATAT  
 TACTGTAGCAAGGACAAATCTGTTGCCTTTAAGATTTTTGAATTGGGACTAAAGAAATATGGAGACATTC  
 CAGAATATGTTTTGGCTTATATTGACTATCTCTCACCTCAATGAGGACAATAACTCGAGTTTTGTT  
 TGAAAGAGTTCTAACGTCTGGAAGCCTCCTCCTGAGAAGTCTGGAGAAATCTGGGCTCGATTTCTAGCT  
 TTTGAAAGTAATATTGGTGATTTAGCTAGTATACTCAAAGTGGAAAAAGACGGTTTACAGCATTGAGAG  
 AAGAGTATGAAGGCAAAGAAACAGCTTTACTGGTGGACAGATACAAATTTATGGATTTATACCTTGTTT  
 TGCAAGTGAACCTCAAAGCACTGGGCTATAAGGATGTCTCCCGTGTAAGCTAGCTGCTATAATTCCAGAC  
 CCAGTTGTAGCTCCTCCATAGTGCCTGTTCTGAAAGATGAAGTGGATAGAAAACCTGAGTACCCTAAAC  
 CAGACACTCAGCAGATGATTCCATTTACGCCACGACATTTAGCACCTCCAGGCTTGACCCTGTCCCGG  
 TGGAGTGTTCAGTGCCTCCTGCCGCTGTTGTTTTGATGAAACTGCTCCACCTCCTATCTGCTCCAG  
 GGTCTTTTGTACAAGTGGATGAGCTGATGAAAATTTCCGAAGATGCAAGATACCAAACACTGTTGAGG  
 AAGCCGTGAGGATCATCACTGGTGGGCCCCAGAGCTGGCTGTGGAAGGCAACGGCCAGTGGAAGTAG  
 TGCTGTACTGACTAAGGCTGTCAAAGGCCAACGAGGATTGAGACGAAGATGAAGAAAAGGGGGCTGTA  
 GTCCCCCTGTTTCATGACATTTACAGAGCACGGCAGCAGAAGCGAATACGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR210253 protein sequence  
 Red=Cloning site Green=Tags(s)

```
MSGDAAAEQAAEYVPEKVKAEEKLEENPYDLDAWSILIREAQNPIDKARKTYERLVAQFPSSGRFWKL
YIEAEIKAKNYDKVEKLFQRCLMKVLHIDLWKCYL SYVRETGKGLPSYKEKMAQAYDFALDKIGMEIMSY
QIWVDYINFLKGV EAVG SYAENQRITAVRRVYQRCVNPMINIEQLWRDYNKYEEGINIHLAKKMIEDRS
RDYMNARRVAKEYETVMKGLDRNAPSVPPQNTPEAQQVDMWKYIQWEKSNPLRTEDQTLITKRVMFAY
EQCLLVLGHPDIWYEAQYLEQSSKLLAEKGMNNAKLF SDEAANIYERAI STL LKKNMLLYFAYADYE
ESRMKYEKVHSIYNRLLAIEDIDPTLVYIQYMKFARRAEGIKSGRMI FKKARE DARTRHHVYVTAALMEY
YCSKDKSVAFKIFELGLKKGDIPEYVLAYIDYLSHLNEDNTRVLFERVL TSGSLPPEKSGEIWARFLA
FESNIGDLASILKVEKRRFTA FREEYEGKETALLVDRYKFMDLYPCSASELKALGYKDVSRAKLAAIIPD
PVVAPSIVPVLKDEVDKPEYKPD TQQMIPFQPRHLAPPGLHPVPGGVFPVPPAAVVLKMLPPPICFQ
GPFVQVDELMEIFRRCKIPNTVEEAVRIITGGAPELAVEGNPVESSAVLTKAVKRPNEDSDEDEEKGAV
VPPVHDIYRARQQKRIR
```

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_145529

**ORF Size:** 2154 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\\_145529.1](#)

**RefSeq Size:** 2852 bp

**RefSeq ORF:** 2154 bp

**Locus ID:** 228410

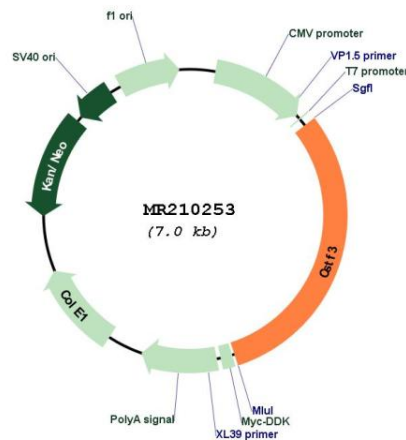
**UniProt ID:** [Q99LI7](#)

**Cytogenetics:** 2 54.84 cM

**MW:** 82.9 kDa

**Gene Summary:** One of the multiple factors required for polyadenylation and 3'-end cleavage of mammalian pre-mRNAs.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR210253