

Product datasheet for **MR230489**

Cstf2 (NM_001290398) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cstf2 (NM_001290398) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cstf2
Synonyms:	C630034J23Rik; Cstf64; mir-3112
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR230489 representing NM_001290398
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGGTTTGCCAGTGAGAGACCCTGCGGTGGATCGTTCCTGCGCTCCGTCTTCGTGGAAACATCC
 CTTATGAAGCTACTGAAGAACAACCTGAAGGACATTTCTCTGAGGTTGGGCCTGTTGTTAGTTTCAGATT
 GGTATACGATAGGGAGACAGAAAACAAAGGGCTATGGCTTCTGCGAGTACCAAGACCAAGAGACAGCA
 CTTAGTGCCATGCGGAACCTGAATGGGCGTGAATTCAGCGGGAGAGCACTTCGAGTGGATAATGCTGCCA
 GTGAAAAGAACAAGGAGGAACTGAAGAGCCTTGGCACTGGTGCACCTGTCATAGAGTCACCTTATGGAGA
 AAGCATCAGCCCTGAGGATGCCCTGAATCCATTAGCAAAGCAGTTGCCAGTCTTCCACCAGAACAGATG
 TTTGAGTTGATGAAACAATGAAGCTCTGTGTCCAGAATAGTCCCAGGAAGCACGAAACATGTTGCTTC
 AGAATCCACAGCTGGCTTATGCTTTGTTGCAAGCACAGGTAGTGATGAGAATTGGGATCCTGAGATTGC
 GCTGAAAATTCTGCATCGCCAGACAAATATCCCAACGCTGATTCAGGCAACCCTCAGCCAGTTCATGTT
 GCTGGGCCTGGCTCAGGACCCAATGTTTCAATGAACCAGCAGAATCCGCAGGCCCTCAGGCTCAATCTT
 TGGGTGGAATGCATGTCATGGCGCACCTCCTATGATGCAAGCTTCTATGCCAGGTGGAGTTCACGCCCC
 AGTGCAGATGGCAGCTGCTGTAGGAGGACCTGGCCCTGGTTTCTTAGCCCTGCAGGAGTTATGCAAGCC
 CAAGTTGGAATGCAAGGAGCTGGACCACTGCCCCATGGAACGAGGACAAGGTGATGCTCCCAATGACCCGC
 GGGGAGGCACTTAACTGACTGTAAGTGGAGACGTAGAACCTAGAGCTTACCTGGGACCACCACCACCACC
 TCATCAGGGCCCAACCATGCACCATGTTCTGGTTCATGAAGGTCGTGGACCGCTCCACATGACATGAGA
 GGAGGACCCCTAGCTGAGCCGAGACCTTAAATGGCAGAACCAAGAGGACCCATGCTAGATCAGAGGGGCC
 CACCTCTGGATGCCAGAGGTGGAAGAGATCCCCGAGGATTAGATGCACGGGGGATGGAGGCCAGAGCCAT
 GGAAGCAAGAGGACTAGATGCCAGAGGACTGGAAGCCCGTGCCATGGAGGCCCGTCCATGGAGGCCCGT
 GCCATGGAAGCCCGTGCCATGGAAGCCCGTGCCATGGAGGCTCGTGCCATGGAGGCCAGAGGCATGGACA
 CCAGAGGCCCACTACCTGGACCTAGAGGACCTATGCCTAGTGGAAATCCAAGGTCCCAATCCAATGAACAT
 GGGGGCAGTTGTTCCCCAGGGATCCAGACAGGTACCAGTCATGCAGGGAGCAGGCATGCAAGGAGCAAGC
 ATGCAAGGTGGAAGCCAGCCTGGTGGCTTTAGTCTGGACAGAGCCAAGTCACACCCAGGATCATGAGA
 AGGCTGCTTTGATTATGCAGGTCCTTCAGCTCACTGCAGACCAGATCGCCATGCTGCCTCCTGAGCAAAG
 ACAGAGTATCCTAATCTAAAGGAACAGATACAGAAATCCACTGGGGCACCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230489 representing NM_001290398
 Red=Cloning site Green=Tags(s)

MAGLPVRDPAVDRSLRSVFGNIPYEATEEQLKIDIFSEVGPVVSFRLVYDRETGKPKGYGFCEYQDQETA
 LSAMRNLNREFSGRALRVDNAASEKNKEELKSLGTGAPVIESPYGESISPEDAPEISIKAVASLPPEQM
 FELMKQMKLCVQNSPQEARNMLLQNPQLAYALLQAQVVMRIVDPEIALKILHRQNTIPTLISGNPQPVHV
 AGPGSGPNVSMNQNPQAPQAQSLGGMHVNGAPPMMQASMPGGVPAPVQMAAAVGGPGGSLAPAGVMQA
 QVGMQGAGPVPMERGQGDAPNDPRGGTLMVTGTVPRAYLGPVPPPHQPPMHVHPGHEGRGPPPHDMR
 GGPLAEPRPLMAEPRGPMLDQRGPPLDARGRDRGLDARGMEARAMEARGLDARGLEARAMEARAMEAR
 AMEARAMEARAMEARAMEARGMDTRGPVPGRGPMPSGIQGNPMMGAVVPQGSRQVPVMQAGMVGAS
 MQGGSQPGGFSPGQSQVTPQDHEKAALIMQVLQLTADQIAMLPPEQRQSILILKEIQKSTGAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

ACCN:	NM_001290398
ORF Size:	1662 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:	<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:	NM_001290398.1 , NP_001277327.1
RefSeq Size:	4464 bp
RefSeq ORF:	1665 bp
Locus ID:	108062
Cytogenetics:	X E3
MW:	59 kDa
Gene Summary:	One of the multiple factors required for polyadenylation and 3'-end cleavage of mammalian pre-mRNAs. This subunit is directly involved in the binding to pre-mRNAs (By similarity). [UniProtKB/Swiss-Prot Function]