

Product datasheet for **MG223931**

Cstf2 (NM_133196) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cstf2 (NM_133196) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cstf2
Synonyms:	C630034J23Rik; Cstf64; mir-3112
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG223931 representing NM_133196
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGGTTTGCCAGTGAGAGACCCTGCGGTGGATCGTTCCTGCGCTCCGTCTTCGTGGAAACATCC
 CTTATGAAGCTACTGAAGAACTGAAGGACATTTCTCTGAGGTTGGCCTGTTGTTAGTTTCAGATT
 GGTATACGATAGGGAGACAGAAAACAAAGGGCTATGGCTTCTGCGAGTACCAAGACCAAGAGACAGCA
 CTTAGTGCATGCGGAATTGAATGGGCGTGAATTCAGCGGGAGAGCACTTCGAGTGGATAATGCTGCCA
 GTGAAAAGAACAAGGAGGAAGTGAAGAGCCTTGGCACTGGTGCACCTGTCATAGAGTACCTTATGGAGA
 AAGCATCAGCCCTGAGGATGCCCTGAATCCATTAGCAAAGCAGTTGCCAGTCTTCCACCAGAACAGATG
 TTTGAGTTGATGAAACAAATGAAGCTCTGTGTCCAGAATAGTCCCAGGAAGCACGAAACATGTTGCTTC
 AGAATCCACAGCTGGCTTATGCTTTGTTGCAAGCACAGGTAGTGTGAGAATTGGGATCCTGAGATTGC
 GCTGAAAATTCTGCATCGCCAGACAAATATCCCAACGCTGATTTACAGCAACCCTCAGCCAGTTCATGTT
 GCTGGGCCTGGCTCAGGACCCAATGTTTCAATGAACCAGCAGAATCCGCAGGCCCTCAGGCTCAATCTT
 TGGGTGGAATGCATGTCATGGCGCACCTCTATGATGCAAGCTTCTATGCCAGGTGGAGTTCACGCCCC
 AGTGCAGATGGCAGCTGCTGTAGGAGGACCTGGCCCTGGTTTCTTAGCCCTGCAGGAGTTATGCAAGCC
 CAAGTTGGAATGCAAGGAGCTGGACCACTGCCATGGAACGAGGACAAGTCCCAATGCAAGACCCAGAG
 CAGCTATGCAGCGGGGAGCCTTGCTACCAACGTCCTCACTCGTGGTCTTTTAGGTGATGCTCCCAA
 TGACCCGCGGGGAGGCACTTTAATGACTGTAACGGAGACGTAGAACCTAGAGCTTACCTGGGACCA
 CCACCCTCATCAGGGCCACCCATGCACCATGTTCTGGTTCATGAAGGTGCTGGACCCCTCCACATG
 ACATGAGAGGAGGACCCCTAGCTGAGCCGAGACCTTTAATGGCAGAACCAAGAGGACCCATGCTAGATCA
 GAGGGGCCACCTCTGGATGCCAGAGGTGGAAGAGATCCCGAGGATTAGATGCACGCGGGGATGGAGGCC
 AGAGCCATGGAAGCAAGAGGACTAGATGCCAGAGGACTGGAAGCCCGTCCATGGAGGCCGTGCCATGG
 AGGCCCGTCCATGGAAGCCCGTCCATGGAAGCCCGTCCATGGAGGCTCGTCCATGGAGGCCAGAGG
 CATGGACACCAGAGGCCAGTACCTGGACCTAGAGGACCTATGCCTAGTGAATCCAAGTCCCAATCCA
 ATGAACATGGGGCAGTTGTTCCCGAGGATCCAGACAGGTACCAGTTCATGCAGGGAGCAGGCATGCAAG
 GAGCAAGCATGCAAGGTGGAAGCCAGCCTGGTGGCTTTAGTCTGGACAGAGCCAAGTACACCCCGAGG
 TCATGAGAAGGCTGCTTTGATTATGCAGGTCTTCAGCTCACTGCAGACCAGATCGCCATGCTGCCTCCT
 GAGCAAAGACAGAGTATCCTAATCTTAAGGAACAGATACAGAAATCCACTGGGGCACCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG223931 representing NM_133196
 Red=Cloning site Green=Tags(s)

MAGLPVRDPAVDRSLRSVFNIPYEATEEQLKIDIFSEVGPVVSFRLVYDRETGKPKGYGFCEYQDQETA
 LSAMRNLNREFSGRALRVDNAASEKNKEELKSLGTGAPVIESPYGESISPEDAPESISKAVASLPPEQM
 FELMKQMKLCVQNSPQEARNMLLQNPQLAYALLQAQVVMRIVDPEIALKILHRQTNIPTLISGNPQPVHV
 AGPGSGPNVSMNQNPQAPQAQSLGGMHVNGAPPMQASMPGGVPAPVQMAAAVGGPGPSLAPAGVMQA
 QVGMQAGPVPMERGQVPMQDPRAAMQRGALPTNVPTPRGLLDAPNDPRGGLMTVTGDVEPRAYLGPP
 PPPHQGPPMHHVPGHEGRGPPPHDMRGGPLAEPRLMAEPRGPMLDQRGPPLDARGGRDPRGLDARGMEA
 RAMEARGLDARGLEARAMEARAMEARAMEARAMEARAMEARAMEARGMDTRGPVPGPRGPMPSGIQGNP
 MNMGAVVPOGSRQVPMQAGMQGASMQGGSQPGGFSPGQSQVTPQDHEKAALIMQVLQLTADQIAMLPP
 EQRQSILILKEIQKSTGAP

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_133196

ORF Size: 1740 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_133196.6](#), [NP_573459.1](#)

RefSeq Size: 4352 bp

RefSeq ORF: 1743 bp

Locus ID: 108062

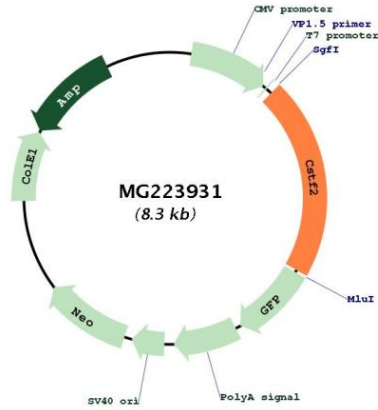
UniProt ID: [Q8BIQ5](#)

Cytogenetics: X E3

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]

Product images:



Circular map for MG223931