

Product datasheet for **MG208204**

Cstf2 (BC036719) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Cstf2 (BC036719) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Cstf2 |
| Synonyms: | Cstf64, 64kDa |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>MG208204 representing BC036719
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGGTTTGCCAGTGAGAGACCCTGCGGTGGATCGTTCCTGCGCTCCGTCTTCGTGGAAACATCC
 CTTATGAAGCTACTGAAGAACAACCTGAAGGACATTTTCTCTGAGGTTGGGCCTGTTGTTAGTTTCAGATT
 GGTATACGATAGGGAGACAGAAAACAAAGGGCTATGGCTTCTGCGAGTACCAAGACCAAGAGACAGCA
 CTTAGTGCCATGCGGAACCTGAATGGGCGTGAATTCAGCGGGAGAGCACTTCGAGTGGATAATGCTGCCA
 GTGAAAAGAACAAGGAGGAACCTGAAGAGCCTTGGCACTGGTGCACCTGTCATAGAGTCACCTTATGGAGA
 AAGCATCAGCCCTGAGGATGCCCTGAATCCATTAGCAAAGCAGTTGCCAGTCTTCCACCAGAACAGATG
 TTTGAGTTGATGAAACAAATGAAGCTCTGTGTCCAGAATAGTCCCAGGAAGCACGAAACATGTTGCTTC
 AGAATCCACAGCTGGCTTATGCTTTGTTGCAAGCACAGGTAGTGATGAGAATTGGGATCCTGAGATTGC
 GCTGAAAATTCTGCATCGCCAGACAAATATCCCAACGCTGATTCAGGCAACCCTCAGCCAGTTCATGTT
 GCTGGGCCTGGCTCAGGACCCAATGTTTCAATGAACCAGCAGAATCCGCAGGCCCTCAGGCTCAATCTT
 TGGGTGGAATGCATGTCATGGCGCACCTCCTATGATGCAAGCTTCTATGCCAGGTGGAGTTCACGCCCC
 AGTGCAGATGGCAGCTGCTGTAGGAGGACCTGGCCCTGGTTTCTTAGCCCTGCAGGAGTTATGCAAGCC
 CAAGTTGGAATGCAAGGAGCTGGACCACTGCCATGGAACGAGGACAAGTGCCAATGCAAGACCCAGAG
 CAGCTATGCAGCGGGGAGCCTTGCTACCAACGTCCCACTCCTCGTGGTCTTTTAGGTGATGCTCCCAA
 TGACCCGCGGGGAGGCACTTTAATGACTGTAACGGAGACGTAGAACCAGAGCTTACCTGGGACCACCA
 CCACCACCTCATCAGGGCCACCCATGCACCATGTTCTGGTTCATGAAGGTCGTGGACCCCTCCACATG
 ACATGAGAGGAGGACCCCTAGCTGAGCCGAGACCTTTAATGGCAGAACCAAGAGGACCCATGCTAGATCA
 GAGGGGCCACCTCTGGATGCCAGAGGTGGAAGAGATCCCGAGGATTAGATGCACGGGGGATGGAGGCC
 AGAGCCATGGAAGCAAGAGGACTAGATGCCAGAGGACTGGAAGCCCGTCCATGGAGGCCGTGCCATGG
 AGGCCCGTCCATGGAAGCCCGTCCATGGAAGCCCGTCCATGGAGGCTCGTCCATGGAGGCCAGAGG
 CATGGACACCAGAGGCCAGTACCTGGACCTAGAGGACCTATGCCTAGTGAATCCAAGTCCCAATCCA
 ATGAACATGGGGCAGTTGTTCCCGAGGATCCAGACAGGTAATGCTTGTAGCATATACA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

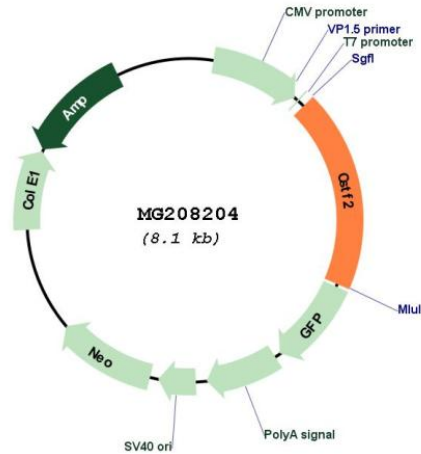
>MG208204 representing BC036719
 Red=Cloning site Green=Tags(s)

MAGLPVRDPAVDRSLRSVFNIPYEATEEQLKIDIFSEVGPVVSFRLVYDRETGKPKGYGFCEYQDQETA
 LSAMRNLNREFSGRALRVDNAASEKNKEELKSLGTGAPVIESPYGESISPEDAPEISIKAVASLPPEQM
 FELMKQMKLCVQNSPQEARNMLLQNPQLAYALLQAQVVMRIVDPEIALKILHRQTNIPTLISGNPQPVHV
 AGPGSGPNVSMNQNPQAPQAQSLGGMHVNGAPPMMQASMPGGVPAPVQMAAAVGGPGGSLAPAGVMA
 QVGMQGAGVPMERGQVPMQDPRAAMQRGALPTNVPTPRGLLGDAPNDPRGGTLMVTGDVEPRAYLGPP
 PPPHQGPPMHVPGHEGRGPPPHDMRGGPLAEPRLMAEPRGPMLDQRGPPLDARGGRDPRGLDARGMEA
 RAMEARGLDARGLEARAMEARAMEARAMEARAMEARAMEARAMEARMDTRGPVPGPRGPMPSGIQGNP
 MNMGAVVPQGSRQVMLVAYT

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Plasmid Map:


ACCN: BC036719

ORF Size: 1532 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: [BC036719](#), [AAH36719](#)

RefSeq Size: 2748 bp

RefSeq ORF: 1532 bp

Locus ID: 108062

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]