

## Product datasheet for **SC114424**

### **CPSF73 (CPSF3) (NM\_016207) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CPSF73 (CPSF3) (NM_016207) Human Untagged Clone
Tag:	Tag Free
Symbol:	CPSF73
Synonyms:	CPSF-73; CPSF73
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM\_016207 edited  
 GTTCTTCTTTTTTATTTACCGGTGGCTGTGCTTCCAATTTAGGAAGACCCCGGCACCT  
 GTTCTCACCCCGCTTCGCCCTCACACTTTCGGGATGTCTGCGATTCTGCTGAGGAGA  
 GCGACCAGCTGCTGATCCGACCCCTTGGAGCTGGGCAAGAAGTAGGAAGATCATGTATTA  
 TTCTCGAGTTCAAAGGAAGAAAAATAATGCTCGACTGTGGGATCCACCCTGGCCTAGAAG  
 GAATGGATGCTCTTCTTATATTGATTTAATTGACCCAGCTGAGATTGATCTCCTATTA  
 TTAGTCATTTCCATTTGGATCACTGTGGAGCTTGCCTGGTTTCTACAGAAGACAAGTT  
 TCAAAGGAAGAACATTTATGACTCATGCCACAAAAGCTATTTATAGATGGCTTCTTTCTG  
 ATTATGTCAAAGTTAGTAACATATCAGCAGACGACATGCTGTATACCGAGACAGATTGG  
 AAGAAAGCATGGACAAAATTGAAACTATCAACTTTCATGAAGTTAAGGAAGTTGCGGGAA  
 TCAAGTTTTGGTGTACCATGCAGGTCACGTCCTAGGAGCCGCCATGTTTCATGATTGAGA  
 TCGCAGGCGTGAAGCTTTGTACACTGGTGATTCTCAAGACAAGAAGATAGGCACCTAA  
 TGGCAGCTGAAATTCCTAATATTAAGCCTGATATCTTATCATTGAATCTACTTATGGGA  
 CCCATATCCATGAGAAACGTGAAGAGCGAGAAGCAAGATTCTGTAACTGTCCACGATA  
 TTGTAAACAGAGGAGGCAGGGGTCTCATTCTGTCTTTGCTCTTGAAGGGCTCAGGAGC  
 TGCTCTTGATTCTAGATGAGTACTGGCAGAATCACCCAGAACTACATGACATTCCAATAT  
 ACTATGCATCATCTTTGGCCAAGAAGTGTATGGCAGTGTACCAGACATATGTAATGCCA  
 TGAATGACAAAATCCGCAACAGATCAACATCAATAATCCCTTTGTTTTCAAACACATTA  
 GTAACCTCAAGAGCATGGATCATTTTGATGACATTGGTCCCAGTGTGTAATGGCCTCCC  
 CAGGCATGATGCAAAGTGGCTTATCCAGAGAATATTTGAAAGCTGGTGTACTGATAAGA  
 GGAATGGTGTCTTATAGCGGGACTGTGTAGAAGGGACACTTGCCAAGCACATCATGT  
 CTGAACCTGAAGAAATCACTACTATGTCTGGACAGAAGTTACCACTGAAAATGTCTGTTG  
 ATTACATTTCTTCTCAGCTCACACGGATTACCAGCAAACCAAGTGAATTTATTCGTGCTT  
 TGAAACCGCCTCATGTGATTTTAGTCCATGGAGAACAGAATGAAATGGCCAGATTGAAAG  
 CAGCACTGATTTCGAGAATATGAAGATAACGATGAAGTTCACATAGAGGTTCATAATCCTC  
 GGAATACAGAAGCAGTGACCTTAACTTCAGAGGAGAAAAACTAGCCAAGTTATGGGAT  
 TTTTAGCAGACAAAAACCAGAACAAAGGCCAGCGGGTCTCAGGAATACTTGTTAAAAGAA  
 ACTTTAATTATCACATACTTCTCCTTGCACCTGTCCAATTATACTGACCTGGCCATGA  
 GCACGGTGAAGCAGACCAAGCCATTCCATATACTGGTCCCTTAAATTTGCTCTGTACC  
 AGCTGCAGAAATTGACAGGTGATGTGGAAGAATTAGAAATCAAGAAAAACCTGCTCTGA  
 AAGTGTTCAAAAATATTACTGTAATACAAGAACCAGGCATGGTGGTATTAGAATGGCTGG  
 CAAACCTTCTAATGATATGTATGCAGATACAGTAACAACCTGTGATATTGGAAGTTCAGT  
 CAAATCCCAAAATAGAAAAGGTGACGTACAGAAGGTTTCTAAAAAATTAGAAATGCACG  
 TTTACAGCAAGAGGTTGGAGATCATGCTCCAGGACATATTTGGAGAAGACTGTGTAAGTG  
 TAAAGGATGACTCTATTCTTAGCGTCACAGTGGACGGGAAAACTGCCAACCTTAACCTGG  
 AGACACGGACTGTAGAATGTGAAGAGGGAAGTGAAGACGATGAATCCCTCCGAGAAATGG  
 TGGAGCTGGCTGCACAGAGACTGTACGAGGCCCTGACGCCAGTTCCTGAGACTGTGCTT  
 GTATATGAACTTTGAAAAAATACTTACTTACTTTTGTACCTAAAATAAAATGCATTC  
 GTTCTCTGGGGAAAAAAAAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_016207 unedited  
 ACTATAGGGCGGCGCGAATTCGGCACGAGGGTCTTCCTTTTTATTTACCGGTGGCTG  
 TGCTTCCAATTTAGGAAGACCCCGGCGACTGTTCTCACCCCGCTTCGCCCTCACACT  
 TTCGGGATGTCTGCGATTCTGCTGAGGAGAGCGACCAGCTGCTGATCCGACCCCTTGA  
 GCTGGGCAAGAAGTAGGAAGATCATGTATTATTCTCGAGTTCAAAGGAAGAAAAAATG  
 CTCGACTGTGGGATCCACCCTGGCCTAGAAGGAATGGATGCTCTCCTTATATTGATTTA  
 ATTGACCAGCTGAGATTGATCTCTATTAATTAGTCATTTCCATTTGGATCACTGTGGA  
 GCTCTGCCCTGGTTTCTACAGAAGACAAGTTTCAAAGGAAGAACATTTATGACTCATGCC  
 ACAAAAAGCTATTTATAGATGGCTTCTTTCTGATTATGTCAAAAGTTAGTAACATATCAGCA  
 GACGACATGCTGTATACCGAGACAGATTTGGAAGAAAAGCATGGACAAAATTGAAACTATC  
 AACTNTCATGAAGTTAAGGAAGTTGCGGGAATCAAGTTTTGGTGTACCATGCAGGTCAC  
 GTCCTANGAGCCCATGTTTCATGATTGAGATCGCAGGCGTGAAGCTTTTGTACACTGTN  
 TGATTCTCAAGACAAGAAGATAGGCACTTAATGGGCAGCTGAATTNCTAAATAAAGCCC  
 TGATATTCTATCATTGAATCTACTTATGGGGACCCATATNCATGAGAAAANCGTGAGAGC  
 GAGAAAAGCAGATTCTGTACACTGGTCACGATATTGTAACAGAGGAGGCAGGGTCTCATTC  
 CTGCTTTTGTCTGGNAGGGCTCCAGAGCTGCTTTGATCTAAATGAGTCTGGCAGATCA  
 CCCAAACTACTGACATTCATATACTATGCATATCTTGGCCAGAGTGATTGCATGTACCCN  
 ACTATGTATGCATGATGAACAATCGCAACGATCACTCATATTCTTTGT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_016207 unedited  
 GGGGGGGGCACNNNGACATACCCAACACGGTTTTTCGAACCATGCTTTTTTTTAGTACAA  
 AGTACATCAAGTTTTTTTCAAAGTTCATATACAGGCACAGTCTCAGTGAAGTGGCGTCAG  
 GGCTCTGTACAGTCTCTGTGCAGCCAGCTCCACCATTTCTCGGAGGGATTATCGTCTTC  
 ACTTCCCTCTTACATTCTACAGTCCGTGTCTCCAAGTTAAGGTTGGCAGTTTTCCCGTC  
 CACTGTGACGCTAAGAATAGAGTCATCCTTTACACTTACACAGTCTTCTCCAAATATGTC  
 CTGGAGCATGATCTCCAACCTCTTGCTGTAACCGTGCATTTCTAATTTTTAGAAACCTT  
 CTGTAATCTGCATACATATCATTACAAGGGTTTGGCAGCCATTCTAATACCACCATGCCTG  
 GTTCTTGTTTACCGTAATATTTTTGAACACTTTCAAAGCACGTTTTTCTTGAATTTCTAA  
 TTCTTCCACATCACCTTGAATTTCTGCATCTGGTGACAGATCAATATTAAGGACCACC  
 TTTTGGAAATGGCTTTGGGTTTGCCTTACCCGGCTTATGGCCCGCCAGTTAATTTAACC  
 AGTCCCAGGCGAAAACCCGACCACCAAAGCCTTTTTACAAAATTTTCTTACACCCCC  
 TGCCCCGGTCAGGGTTTTTGGCTGCTACAAAATCCAAAACCTCGGCAGTCTTTTCTT  
 TGAAGTCCATAGGCCCTCTCTCGTATTCCTCCGATTATTAACCTCTCTGAGGACTTCT  
 TGCCTCCCTCCATTTAGCGAATCAAGCCGCCGTTTACACATGACATATCTTTACTTGA  
 GCTTCATGNCTAAAATACATATCCCCGCGGGTTCAAATCCCTCTTTAATCTCCCT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_016207

**Insert Size:**

2300 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_016207.2](#), [NP\\_057291.1](#)

**RefSeq Size:** 2286 bp

**RefSeq ORF:** 2055 bp

**Locus ID:** 51692

**UniProt ID:** [Q9UKF6](#)

**Cytogenetics:** 2p25.1

**Domains:** lactamase\_B

**Gene Summary:** This gene encodes a member of the metallo-beta-lactamase family. The encoded protein is a 73kDa subunit of the cleavage and polyadenylation specificity factor and functions as an endonuclease that recognizes the pre-mRNA 3'-cleavage site AAUAAA prior to polyadenylation. It also cleaves after the pre-mRNA sequence ACCCA during histone 3'-end pre-mRNA processing. [provided by RefSeq, Oct 2012]