

## Product datasheet for **SC107581**

### CPSF2 (NM\_017437) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CPSF2 (NM_017437) Human Untagged Clone
Tag:	Tag Free
Symbol:	CPSF2
Synonyms:	CPSF100
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC107581 sequence for NM\_017437 edited (data generated by NextGen Sequencing)

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ATGACGCTATTATCAAATTAACCTACCTTTCTGGGGTCCAAGAAGAATCTGCCCTTTGC
TATCTTCTCCAAGTTGATGAGTTTATGATTTTTATTGGACTGTGGCTGGGATGAGCACTTT
TCTATGGATATTATTGATTCCTGAGGAAGCATGTTACCAGATTGATGCAGTGTCTGTTG
TCTCACCTGATCCTCTCCACCTTGGTGGCCTCCCGTATGCTGTGCGAAAGTTGGGCTG
AACTGTGCTATCTATGCAACCATTCTGTTTATAAAAATGGGACAGATGTTTCATGTATGAT
CTTTATCAGTCTCGACACAATACAGAAGATTTTACACTCTTTACATTAGATGATGTGGAT
GCAGCCTTTGATAAAAATACAGCAGCTAAAATTCTCTCAGATTGTGAATTTGAAAGGTAAA
GGACATGGCCTGTCTATCACACCTCTGCCAGCTGGTCATATGATAGGTGGAACAATATGG
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GAGATCCATTTAAATGGATGTTCCCTGGAATGCTAAGCAGGCCTTCCCTACTTATCACA
GATTCATTCAATGCTACATATGTACAGCCTAGAAGAAAACAGAGAGATGAGCAGCTTCTG
ACAAATGCTCTGGAACACTTCGAGGTGATGGAATGTGTTAATAGCAGTGGACACAGCA
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GAAGGACGCTCTGATGGGATTCATTAAAAAATCATTAAATCAGATGAAACCACGACAG
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TTTGGTGGGAAAGATATTAAGGTACATGCCAAAGCTACATGAAACAGTTGATGCCACT
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AAAGTGGACACAGGGGTTATTTAGAAGAAGGAGAATAAAGGATGATGGAGAAGACTCA
GAGATGCAAGTGGAAAGCTCCCTCAGATTCTAGCGTTATAGCACAAACAAAAGGCCATGAAA
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GTACTTGTGTTGCAACAATCAAGTAGCAGTCCGCAGAACGAAACTGGACGCATTGGATTA
GAAGGCTGCCTTTGTCAAGATTTTTATAGGATAAGAGACCTTTTATGAAACAATATGCC
ATTGTATAA
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Clone variation with respect to NM\_017437.2

<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_017437 unedited            NCCTGTCAGCATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGCCAAATG            GCGGCTGCCACTGTGGGGCTTCTGCCGGCCGGTAGTCCCTGGCGCTGCTGACCCAGCATC            GGCTTTTCTACGCTTGAACCTGGATTTCGCTAGGGGTTGGGAAGGGCTGTGGACGGCGT            TGGGGGAGGCCTGACGAGATTAATAAAGAACTCTCAGAATTCCTGGTGTTCATCATAT            ATACGACTAAGATATCAACTCTTCTAGCTTGTGTTTCTGGACCAAAAAAATGACGTCT            ATTATCAAAATTAACCTCCCTTTCTGGGGTCCAAGAAGAATCTGCCCTTTGCTATCTTCTC            CAAGTTGATGAGTTTAGATTTTTATTGGACTGTGGCTGGGATGAGCACTTTTCTATGGAT            ATTATTGATTCCCTGAGGAAGCATGTTACCCAGATTGATGCAGTGTGTGTCTCACCT            GATCCTCTCCACCTTGGTGCCCTCCCGTATGCTGTGCGAAAGTTGGGTCTGAACTGTGCT            ATCTATGCAACCATTCTGTTTATAAAATGGGACAGATGTTTATGTATGATCTTTATCAG            TCTCGACACAATACAGAAGATTTTACACTCTTACATTAGATGATGTGGATGCAGCCTTT            GATAAAATACAGCAGCTAAAATCTCTCAGATTGTAATNTGAAAGGTAAGGACATGGC            CTGTCTATCACACCTCTGCCAGCTGGTCATATGATAGGTGGGACCATATGAAAAATAGTC            AAAGATGGAGAAGAAAGAAATGTTTATGCAGTTGACTTCCACCACAGAGGGAGATCCAT            TNTAATGGGATGTCCNTGNNAATGNNCTAGCAGNCTTCCCTACTTATCACAGATTCATTC            AATGCTACATATGTACAGCCTANAAGAAAACGNAAGATG</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_017437 unedited            TAGACGNAGGGGTACACAGGGAATGCCACCCGGGCATCTGTTGCATGAAAAGCTATGACC            GCGGCCGCAATCTAAACTCAAGTTTTTTTTTTTATTCTTTTGGTTAGCTAAGTTGCATTGT            ATAATTCAAGTCAAAGCCCTTCTCTGGAACAAGGAGTCTGTTAATAAAACCATTCAATTT            TTTTTTTTTGGGCTGTACACCTGTAGGAGCTCTACTCTGAAAGCCAAAGATACAA            TGCTCATTGAGCATTGCAAAAATGTTCTCTATTTATATTTTTCAAAAATCTGATACGTGT            AATTTTTTCTGGCAGATTCTTTTGTATGTTACACAAGCATAACCTCACATGCTCATAGT            AAGATAACAATCCCTTTTTCTTACAAAGGTCAAGCAAATCTTCTTGACATCCTGTCCCT            TATACCATGGCATATTGTTTATATAAAATGTCTCTTATCTATAAAAAATCTTGGCCAAGG            CAGCCTTCTAATCCAATGCCTCCAGTTTCCGTTCTGCGGACTGCTACTTGATTGTTGCAA            ACAAGTACACCTCTACATATTCAGCTTGAATCCCCTCCCGTAAGAGAACTTGCTTGAAG            TCTGACAGCCTTGTTTCATTTCGTAAGAAGTGGCTGATGTCCAAGAACCTCATGAGGTGGC            AAGGGTTCCAAAAGTAAGAATGATCTCACTTTCTTACCTGTTTCTTCTCATCATCTCCG            AACAGACTTTGCTTGCCCTTTTGTGTGCTATACGCTAGGATCTGAGGGACCTTCACTTG            CATCCCTGAGTCTGCTACATCATCCCTAATTCTCCGTTCTCTGAAATACCCCTGTGTC            CCCTTAGGAAACTCTAATTCTAAA</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_017437
<b>Insert Size:</b>	2700 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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\\_017437.1](#), [NP\\_059133.1](#)

**RefSeq Size:** 5041 bp

**RefSeq ORF:** 2349 bp

**Locus ID:** 53981

**UniProt ID:** [Q9P2I0](#)

**Cytogenetics:** 14q32.12

**Gene Summary:** Component of the cleavage and polyadenylation specificity factor (CPSF) complex that play a key role in pre-mRNA 3'-end formation, recognizing the AAUAAA signal sequence and interacting with poly(A) polymerase and other factors to bring about cleavage and poly(A) addition. Involved in the histone 3' end pre-mRNA processing.[UniProtKB/Swiss-Prot Function]