

Product datasheet for **SC320181**

CPSF30 (CPSF4) (NM_001081559) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPSF30 (CPSF4) (NM_001081559) Human Untagged Clone
Tag:	Tag Free
Symbol:	CPSF30
Synonyms:	CPSF30; NAR; NEB-1; NEB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_001081559.1
 GCGAGAAGGCTGCAGGAGACCGAGGGGAGCCGGGCCGGTGGGGCCGCCGCCGCCCAT
 GCAGGAAATCATCGCCAGCGTGGACCACATCAAGTTTGACTTGGAGATCGCGGTGGAGCA
 GCAGCTGGGGGCGCAGCCGCTGCCCTTCCCCGGCATGGACAAGTCGGGCGCTGCTGTCTG
 TGAATCTTTTTGAAAGCTGCCTGCGGCAAAGGGGGCATGTGTCCGTTTCGCCACATCAG
 TGGTGAGAAGACAGTTGTGTGCAAACTGGCTGCGTGGCCTATGCAAGAAAGGGGACCA
 GTGTGAGTTCCTGCATGAGTATGACATGACCAAGATGCCCGAGTGTACTTCTACTCCAA
 GTTCGGGGAGTGCAGCAACAAGGAATGTCCCTTCTGCACATCGACCCCGAGTCCAAGAT
 CAAGGACTGTCCTTGGTATGACCGTGGCTTCTGCAAGCACGGTCCCCTCTGCAGGACCCG
 GCACACACGGAGAGTCACTGTGTGAATTACCTCGTGGGATTCTGCCCGAGGGGCCCTC
 GTGTAAATTCATGCACCCTCGATTTGAACTGCCCATGGGAACCCGAGCAGCCCCACT
 GCCGCAGCAGACAGCCTCCAGCAAAGCAGAGAACCCCGCAGGTCATCGGGTTCATGCA
 GAGTCAAAACAGCAGCGCGGCAACCGGGGACCCGGCCACTGGAGCAGGTCACCTGTTA
 CAAGTGTGGCGAGAAAGGACACTACGCCAACAGATGCACCAAAGGGCACTTGGCCTTTCT
 CAGTGGACAGTGCAGCAGCTGGAGCCAGCTCCGAGCAGCCGGGGCCCGCTGTTGGG
 AGTGTGCATTTAACTGTTTCATGCGCTTGTGGCGGACTGTGGCTCGAGCTGGCCCGCA
 GACACGTGGGTTTCATCACTCTGAGGGGCCACGTCTGTTAGTTTCTATCATTTTGCCTT
 AGTATTTTTTAAAAAGGGACATGTGTCCTGTGGGTCCCTGCAGTCGACATCATGTTTGG
 CTGGGCATCGATGCCTCCTTTCTGGGACTCCCGGCACAACCTCCCTCATCCAGGGAGGGA
 GGCAGTCTGCTGGGAGGGGCTTGGCTAGGTAGTTCTGTGTGGCGGTGGTCAATCCCTCA
 TTAACACCAGTCTTGGTGACGCCAGGGGCTGGTAGGTCAATCAAAGCTGTGGCCAGCT
 CACGCTGCTTCTCCCTCCCTGCCCTGCTGAATCCTAAAGCTGTGCCTATATCTGTGAT
 TTGAATGAGGGAGCCCTTTGGGGCAAATTCAGGTGCCCCCAATGCCTCAGGCTGGCCCTG
 GTCCAGGTGGCAGCGGTTGAGGAGGGGTACAGGGCTCTCAAGCCTGAGGTTTTCTTCTC
 TGGGCTTAATTTTCTTGGGTTACGTGCCTGACAGTGTTAAGGTGTCCGTTGAACTGG
 AGTTGCAGACTTTTAAATAGATGACCCCTTCAAGTATCATCTGTGCCTACCTCCTGCCATC
 AGGCGTCTACACTGTCACTCAGACACCTGTGGCATGTGGAGGAGACTGCCCTGTCTGAG
 CCTGGAATAATGTAACTGTCTCCTGCAACCTGCTGGGCATGTGGGCTGGCTGTGTTCA
 ATTGCAAGAACAATTTTATGAAATGGATTAAGCTTGTTTTTTAAAAAAAAAAAAAAAAAA
 AAACCTCGGG

- Restriction Sites:** Please inquire
- ACCN:** NM_001081559
- OTI Disclaimer:** 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).
- 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_001081559.1](#), [NP_001075028.1](#)

RefSeq Size: 1754 bp

RefSeq ORF: 735 bp

Locus ID: 10898

UniProt ID: [O95639](#)

Cytogenetics: 7q22.1

Gene Summary: Inhibition of the nuclear export of poly(A)-containing mRNAs caused by the influenza A virus NS1 protein requires its effector domain. The NS1 effector domain functionally interacts with the cellular 30 kDa subunit of cleavage and polyadenylation specific factor 4, an essential component of the 3' end processing machinery of cellular pre-mRNAs. In influenza virus-infected cells, the NS1 protein is physically associated with cleavage and polyadenylation specific factor 4, 30kD subunit. Binding of the NS1 protein to the 30 kDa protein in vitro prevents CPSF binding to the RNA substrate and inhibits 3' end cleavage and polyadenylation of host pre-mRNAs. Thus the NS1 protein selectively inhibits the nuclear export of cellular, and not viral, mRNAs. Multiple alternatively spliced transcript variants that encode different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.