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Product datasheet for SC115303

CPSF1 (NM_013291) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPSF1 (NM_013291) Human Untagged Clone
Tag:	Tag Free
Symbol:	CPSF1
Synonyms:	CPSF160; HSU37012; MYP27; P/cl.18
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC115303 sequence for NM_013291 edited (data generated by NextGen Sequencing)

```
ATGTACGCCGTGTACAAACAGGCGCATCCGCCCACCGGTCTGGAGTTCTCCATGTACTGC
AACTTCTTCAACAACAGCGAGCGCAACCTGGTAGTGGCCGGGACCTCGCAGCTCTACGTG
TACCGCCTCAACCGCGACGCCGAGGCTCTGACCAAGAATGACAGGAGCACAGAGGGGAAG
GCCCACCGGGAGAAGCTCGAGCTTGCTGCCTCCTTCTCCTTCTTTGGCAACGTCATGTCC
ATGGCCAGCGTGCAGCTGGCAGGAGCCAAGCGGGATGCCCTGCTCCTAAGCTTCAAGGAT
GCCAAGCTGTCTGTGGTGGAGTACGACCCGGGCACCCATGACCTGAAGACCCTGTCACTG
CACTACTTTGAGGAGCCTGAGCTTCGGGACGGGTTTGTGCAGAATGTACACACGCCGCGA
GTGCGGGTGGACCCCGACGGGCGCTGTGCAGCCATGCTTGTCTACGGCACGCGGCTGGTG
GTCCTGCCCTTCCGCAGGGAGAGCCTGGCTGAGGAGCACGAGGGGCTCGTGGGTGAGGGG
CAGAGGTCCAGCTTCCTGCCCAGCTACATCATCGACGTGCGGGCCCTAGACGAGAAGCTG
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CAGGAGCCCCCGGCCAGTGCTGTCCGTGAGGCTGCCGACAAGGAAGAGCCTCCCTCAAAG
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GTGGTTTGCTCCGGCCACGGGAAGAACGGGGCTTTGTCGGTGCTGCAGAAGAGCATCCGG
CCCCAGGTGGTGACAACCTTTGAGCTTCCCGGCTGCTATGACATGTGGACAGTCATCGCC
CCGGTGCGTAAGGAGGAGGAGGACAATCCCAAGGGGGAGGGCACAGAGCAGGAACCCAGC
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TTCCGGATGCTGCACGTGGACCGCCGCACCCTCCAGAATGCCGTGCGCAACGTGCTGGAT
GGGGAGCTGCTCAACCGCTACCTGTACCTGAGCACCATGGAGCGCAGCGAGCTAGCCAAG
AAGATCGGCACCACACCAGACATAATCCTGGACGACTTGCTGGAGACGGACCGCGTCACC
GCCCACTTCTAG

Clone variation with respect to NM_013291.2

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_013291 unedited
NGGGTCAGAATTTGTATACGACTCACTATAGGCGGCCGCGAATTCGCACGAGGCCGGTTC
CTCTCGAGTCGGCTCCAACTGCCAGCCCGGGTTGGCGCCATGTACGCCGTGTACAAACAG
GCGCATCCGCCCACCGGTCTGGAGTTCTCCATGTACTGCAACTTCTTCAACAACAGCGAG
CGCAACCTGGTAGTGGCCGGGACCTCGCAGCTCTACGTGTACCGCCTCAACCGCGACGCC
GAGGCTCTGACCAAGAATGACAGGAGCACAGAGGGGAAGGCCCACCGGGAGAAGCTCGAG
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GGAGCCAAGCGGGATGCCCTGCTCCTAAGCTTCAAGGATGCCAAGCTGTCTGTGGTGGAG
TACGACCCGGGCACCCATGACCTGAAGACCCTGTCACTGCACTACTTTGAGGAGCCTGAG
CTTCGGGACGGGTTTGTGCAGAATGTACACACGCCGCGAGTGCGGGTGGACCCCGACGGG
CGCTGTGCAGCCATGCTTGTCTACGGCACGCGGCTGGTGGTCCTGCCCTTCCGCAGGGAG
AGCCTGGCTGAGGAGCACGAGGGGCTCGTGGGTGAGGGGCAGAGGTCCAGCTTCCTGCCC
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TTCCTGCATGGCTACTACGAGCCTACCCTTCTCATCCTGTTGAGCCAACCAACCTGCCTG
GGCCGTGGGCGTGCGCAGGACACTCTTCATTGTGGCATCTACTGACATACGCAGAAGTGC
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NNC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_013291 unedited
GGACCGCGGCACGCAATCTAGTGTCGAGNTTTTTTTTTTTTTTTTTTTTTTTTTTTCT
CAAGCAAAAAATGTTTTTCCTTGGGTTTTGCCAAAAGGGGGTGGGAGGTATTTCCGTGTG
CTGGTGGTGACGGCATCCACGGGGCTAAAAGTGGGCGGTGACGCGGTCCGTCTCCAGCAA
GTCGTCCAGGATTATGTCTGGTGTGGGGCCGATCTTCTTGGCTAGCTCGCTGCGCTCCAT
GGGGCTCAGGTACAGGTAGCGGTTGAGCAGCTCCCCATCCAGCACGTTGCGCACGGCATT
CTGGAGGGTGCGGCGGTCCACGTGCAGCATCCGGAAGGCGCGGGGGTTGAGGCCGGCGTG
GTGTGGCATCATGGTGGTCAGCGCGTTCTGCAGCATCAGCAGCCGCCGGTAGGTCTTCTC
CTGCATGGGCAGCAGCAGCCCGATGCCGCCGTCCAGGGTGGCAAACCACGTGATGTGCTT
ATTCTCCCACACGACCGACTTTTTGCTGAGCCCTTCAGTGGCCCCCCGGCACGGGGTCCT
CCAGAACGTGTTCACGTGGGCACCCACGTGGAATTTTGCCCGACGCATAAGGCGCATGCC
CCCGAAACTCTCCTTGGCTTCGGGCAGGTACATGTACACCATTGAGTTGCGGTCCGCGGT
CTAACACCAAAAAACCCATTTGGGCATTGTCCACCATGAATTCCACGCTGTACCCCTCCA
AGGGGCTTGGTTTCCCGCGAACACAGGCTCAAGGTTCTGCTCTCCTCCCGGTAATCCAAC
ACCGATTTGCTCTTCTTACGTCGGCTTCCAGTATAAATTCTTGCCCCTCTCTTCGGCGGT
AGTAAACCTCCGCTCCCATAAGGCCCTCCCCGTTATCTGCTTGTCCGACGTCTCCCAGAA
ATATTTCGGCCCGACGCCCACCCTTGTGCATTCCCGCGCCATGTGCTTCCGCCCCCCTCT
CACCTTATCAAGGTTTTACTCTCTCCGTCCCTGCCTGCCCT

Restriction Sites: NotI-NotI

ACCN: NM_013291

Insert Size: 4430 bp

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).

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).

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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_013291.2, NP_037423.2
RefSeq Size:	4494 bp
RefSeq ORF:	4332 bp
Locus ID:	29894
UniProt ID:	Q10570
Cytogenetics:	8q24.3
Domains:	CPSF_A
Gene Summary:	Cleavage and polyadenylation specificity factor (CPSF) is a multisubunit complex that plays a central role in 3-prime processing of pre-mRNAs. CPSF recognizes the AAUAAA signal in the pre-mRNA and interacts with other proteins to facilitate both RNA cleavage and poly(A) synthesis. CPSF1 is the largest subunit of the CPSF complex (Murthy and Manley, 1995 [PubMed 7590244]).[supplied by OMIM, Mar 2008]

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