

Product datasheet for **SC111988**

CPSF7 (NM_024811) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPSF7 (NM_024811) Human Untagged Clone
Tag:	Tag Free
Symbol:	CPSF7
Synonyms:	CFIm59
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_024811, the custom clone sequence may differ by one or more nucleotides

ATGGGACGGCCGGAGTCTGCGGGCGGAGGGAGTCGCGGGCCTTTTGAGGGAGGAGGCAGAGCGCGCCGGG
CCGGTGGCATCTTCCTTACTTTGTCCATCTCCGACTCGCGATCTTCCTCCGGAGCCATGTCAGAAGG
AGTGGACTTGATTGATATATATGCTGACGAGGAGTTCAACCAGGACCCAGAGTTCAACAATACAGATCAG
ATTGACCTGTATGATGATGTGCTGACAGCCACCTCACAGCCCTCAGATGACAGAAGCAGCAGCACTGAAC
CACCTCCTCTGTTCGCCAGGAGCCATCTCCCAAGCCCAACAACAAGACCCTGCAATTCTGTATACCTA
CAGTGGCTGCGTAATAGACGAGCTGCCGTTTATGTGGGAGCTTCTCCTGGTGGACCACAGACCAGCAG
CTGATCCAGGTTATTCGCTCTATAGGAGTCTATGATGTGGTGGAGTTGAAATTTGCAGAGAATCGAGCAA
ATGGCCAGTCCAAAGGGTATGCTGAGGTGGTGGTGCCTCTGAAAACCTGTGCCAAAATTGTTGGAAC
CCTACCAGGGAAGTTCTTAATGGAGAAAAAGTGGACGTGAGGCCGGCCACCCGGCAGAACCTGTCACAG
TTTGAGGCACAGGCTCGAAACGTGAGTGTGTCCGAGTCCAAGAGGGGGAATACCTCCACGGGCCATT
CCCGAGATTCTAGTGATTCTGCTGATGGACGGGCCACACCCTCTGAGAACCTGTACCCTCATCTGCTCG
TGTGGATAAGCCCCCAGTGTGCTGCCCTACTTCAATCGTCTCCTTCGGCCCTTCCCCTGATGGTCTG
CCCCACCAACCAATTCCACCCCAACCACTCTCTCCTCAAGCTTTGGGGTCCCTCCTCCTCCTCCTGGTA
TCCACTACCAGCATCTCATGCCCCACCTCCTCGATTACCTCCTCATCTTGCTGTACCTCCCCCTGGGGC
CATCCACCTGCCCTTCACTCAATCCAGCCTTCTTCCCCCACCACGCTACAGTGGGGCCTCCACCA
GATACTTACATGAAGGCCTCTGCCCCCTATAACCACCATGGCAGCCGAGATTTCGGGCCCTCCACCTCTA
CAGTGAGTGAAGCCGAATTTGAAGATATCATGAAGCGAAACAGAGCAATTTCCAGCAGTGCCATTTCCAA
AGCAGTATCTGGAGCCAGTGCAGGGGATTACAGTGACGCAATTGAGACGCTGCTCACAGCCATTGCGGTT
ATCAAACAGTCCCGGTTGCCAATGATGAGCGTTGCCGTGTCTCATCTCCTCTCTTAAGGACTGTCTTC
ATGGCATCGAAGCCAAGTCTACAGTGTGGTGCCAGTGGGAGCTTTCAGGAAAAGACATCGCTCCCG
GGAAAGGTCACCTAGCCGTCGCCGGGAGAGCAGCAGGAGGACCCGGGATCTGCTTCATAATGAAGATCGG
CATGATGATTATTTCCAAGAAAGGAACCGGGAGCATGAGAGACCCGGGATAGAGAACGGGACCGGCACC
ACTGA

**5' Read Nucleotide
Sequence:**

>OriGene 5' read for NM_024811 unedited
TAATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGGNATCAAATGGCCAGTCC
AAAGGTATGCTGAGGTGGTGGTAGCCTCTGAAAACCTCTGTCCACAAATTGTTGGAACCTC
TACCAGGGAAGTTCTTAATGGAGAAAAAGTGGACGTGAGGCCGGCCACCCGGCAGAAC
TGTCACAGTTTGAGGCACAGGCTCGGAAACGTGAGTGTGTCCGAGTCCAAGAGGGGGAA
TACCTCCACGGGCCATTCCCGAGATTCTAGTGATTCTGCTGATGGACGGGCCACACCCT
CTGAGAACCTTGTAACCTCATCTGCTCGTGTGGATAAGCCCCCAGTGTGCTGCCCTACT
TCAATCGTCTCCTTCGGCCCTTCCCCTGATGGGTCTGCCCCCACCACCAATTCCACCCC
CACCACCTCTCTCCTCAAGCTTTGGGGTCCCTCCTCCTCCTCCTGATCCACTACCAGC
ATCTCATGCCCCCACCCTCCTCGATTACCTCCTCATCTTGCTGTACCTCCCCCTGGGGCA
TCCACCTGCCCTTCACTCAATCCAGCCTTCTTCCCCCACCACGCTACAGTGGGGC
CTCCACCAGATACTTACATGAAGCCTCTGCCCCCTATAACCACCATGGCAGCCGAGATT
CGGGCCCTTACCCTCTACAGTGAGTGAAGCCGAATTTGAAGATATCATGAAGCGAAACA
GAGCAATTTCCAGCAGTGCCATTTCAAAGCAGTATCTGGAGCCAGTGCAGGNGATTACA
GTGNACGATTGAGACGCTGCTCACAGCCATTGCGGGTATCAAACAGTNCCCGGGTTGCC
AAATGATGAGCGTTGCCGTGCTCATCTCCTCTCTTAAGGGACTGTCTCATGGCATTGA
AGCCAGTCTACAGTGTGGGNTGCCAGTGGNAGCTCTTNCAGAAAGAATCGCTCCGGGNA
AGGTCACCTANCCGTCCCGGAAAGCACAGAGCCACCGGTTCTGCTATAT

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_024811 unedited <pre> GCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTAAAGATTGACAGCGTCATCAAGT TTATTACACAATTTTCAACCTATCAGAAAGACAAACAAATCACCGACAACAGGGGACGG GACCTTGGCCTTTTTGAGGGATAGGTGTTTTTTTCTTTTGTATCAGGAAATAAACT AAAAATGGTGTCAATTGAGTAAAAACAAACAAATGGGGAGAAAAAAATTTCCGGGTAAA CGGCATTTCTGGTATTCTATATATATTTTTCTTAACTGTCACCTTTTCTACATTTT AAAAGACACCCGGAGTTGCTCTCAATAAGCACATCACTTAACACTTGGCCAGTTGGGTGG GGTGCCATGTTCTGAAGTGGAGGTGGGGATGGGGTTGGGGGACAGGGGAAAAAAGCTCC AACCTGTAGCCTCTGTCCAAGGAATGTGCCTCTCCAATCCTGCGGGGACTCCCTCAG TGACTGAGGGCTATGTGAGAAACGTGCTGGGAACAGAGGACGGGTTAGTCCAATTCAGT CTCTCTCTCTGACCCAGAAGGTCTCTAGTGACCTATGTCTCACATGCCAAGTCTCATC TCACATGCCACGTCTCATGTTANGTGTGAGATGCCCTGTANATGCATGCAGAAGTAGCAT CACCCCATGGGTACCGGANGACCTCGCTGNTTGCCTCTCCTTTTACAGCAGCACCATTAAC AATTTGGATGTTATGGGAAAAGCATTTCCATTTGCCCTGTAGAGAAAATGGCCCCAAAA TGCTTGGCCCTTAAACTCTGACCTGANTTCATTCAAGTCGGGCTCTGTTTCTTCTGCTT CCCATCTGAGGCAGGAAGTTTCTCGCCGAAGGGGAAGACCTTTTAGTCACCGTCCAAAG GGAAAGAACCCCAATTGGGACTTCTGGCTCTAAGGCACGTTATCCACAAAATAAGAAT GTCCTGGGGGATTAACCCCGCTTATCCAACCTGAAAAAACCCTTGAAATGGCCCTCTG GCCAATGCTTTTTTCTCTCTGCTACTTCAAAGGGCTCTTTCGGGGGC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_024811
Insert Size:	3080 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).
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:	<u>NM_024811.1</u> , <u>NP_079087.1</u>
RefSeq Size:	3764 bp
RefSeq ORF:	714 bp
Locus ID:	79869
UniProt ID:	<u>Q8N684</u>
Cytogenetics:	11q12.2
Domains:	RRM

Gene Summary:

Cleavage factor Im (CFIm) is one of six factors necessary for correct cleavage and polyadenylation of pre-mRNAs. CFIm is composed of three different subunits of 25, 59, and 68 kDa, and it functions as a heterotetramer, with a dimer of the 25 kDa subunit binding to two of the 59 or 68 kDa subunits. The protein encoded by this gene represents the 59 kDa subunit, which can interact with the splicing factor U2 snRNP Auxiliary Factor (U2AF) 65 to link the splicing and polyadenylation complexes. [provided by RefSeq, Oct 2016]
Transcript Variant: This variant (1) is the longest transcript and encodes the longest isoform (1).