

Product datasheet for **RC239002**

CPSF6 (NM_001300947) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPSF6 (NM_001300947) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CPSF6
Synonyms:	CFIM; CFIM68; CFIM72; HPBR11-4; HPBR11-7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC239002 representing NM_001300947
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGACGGCTGGACCACATAGACATTTACGCGGATGTCGGCGAAGAGTTCAACCAGGAAGCTGAAT
 ATGGTGGCATGATCAGATAGATTTGTATGACGATGTCATATCTCCATCTGCAAATAATGGAGATGCCCC
 AGAAGACCGAGATTACATGGATACTCTCCACCAACTGTTGGTATGATGTGGGTAAGGAGCAGCACCA
 AATGTTGTCTATACATACTGGAAGAGAATTGCATTATATATTGAAAATCTAACATGGTGACAACAG
 ATGAAGACTTAACTGAAGCAGTTCATTCTTTGGGAGTAAATGATATTTGGAGATAAAATTTTTTAAAA
 TCGGGCAAATGGCCAGTCAAAGGGTTTGCCTTGTGGTGTGGATCTGAAGCATCTTCAAAAAAGTTA
 ATGGATCTGTTACCTAAAAGAGAACTTCATGGTCAGAATCCTGTTGTAACCCATGCAATAAACAGTTCC
 TGAGTCAATTTGAAATGCAGTCCAGGAAAACACACAATCAGGACAAATGTCTGGGAAGGTAAGCTGG
 TCCTCCAGGAGGCAGTTCCTGTCAGCATTCCACAAGTGGTAGAGGACGGGGCCGTTTTCCAGGGGCT
 GTTCTGGTGGGACAGATTTCTGGGCCAGCAGGACCAGGAGGGCCACCCACCTTTTCCAGGAAATT
 TGATCAAGCATCTTGTTAAAGGAACTCGGCCTTTGTTCTGAAAACCTAGGATTCATGGCATATGGGGCA
 CAGCATAGAGGAAATACCCATTTTTGGCCTAAAAGCTGGACAGACTCCACCACGTCACCCCTTAGGTCT
 CCAGGCCACCTGGTCCACCAGTCCCTCCACCTCCTGGTCAGGTTCTGCCTCCTCCTAGCTGGGCCTC
 CTAATCGAGGAGATCGCCCTCCACCACCACTCTTTTTCTGGACAACCTTTTGGGCAGCCTCCATTGGG
 TCCACTTCTCCTGGCCCTCCACCTCAGTTCAGGCTACGGCCCCCTCCTGGCCACCACCTCCACAA
 CAGGGACCACCTCCACCTCCAGGCCCTTTCCACTCGTCCACCCGGTCCACTTGGGCCACCCCTTACAC
 TAGCTCCTCCTCCGATCTTCTGGACCCTCCAGGTGCCACCCAGCTCCGCATGTGAACCCAGC
 TTTCTTTCTCCACCACTAACAGTGGCATGCCTACATCAGATAGCCGAGGTCCACCACCAACAGATCCA
 TATGGGCGACCTCCACCATATGATAGGGGTGACTATGGCCCCCTGGAAGGAAATGGATCTGCAAGAA
 CGCCATTGAGTGAAGCTGAATTTGAAGAAATCATGAATAGAAATAGGGCAATCTCAAGCAGTGCTATTT
 GAGAGCTGTCTGATGCCAGTCTGGTATTATGGGAGTCTATTGAGACACTGGTAACTGCAATTTCT
 TTAATTAACAATCAAAGTATCTGCTGATGATCGTTGCAAAGTCTTATTAGTCTTTGCAAGATTGCC
 TTCATGGAATTGAGTCCAAGTCTTATGGTCTGGATCAAGACGTGAACGATCAAGAGAGAGGGACCATAG
 TAGATCACGAGAAAAGAGTCGACGTCATAAATCCCGTAGTAGAGCCGTCATGACGATTATTACAGAGAG
 AGAAGCAGAGAACGAGAGAGGCACCGGGATCGTGACCGAGACCGTGACCGAGAGCGTGACCGAGAGCGCG
 AATATCGTCATCGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239002 representing NM_001300947
 Red=Cloning site Green=Tags(s)

MADGVDHIDIYADVGEFNFQAEYGGHDQIDL YDDVISPANNGDAPEDRDYMDLTPPTVGGDDVKGGAAP
 NVVYTYTKRIALYIGNLTWTTDEDLTEAVHSLGVNDILEIKFFENRANGQSKGFALVGVGSEASSKLL
 MDLLPKRELHGQNPVVTCPNKQFLSQFEMQSRKTTQSGQMSGEGKAGPPGGSSRAAFPQGGRRGRFPGA
 VPGGDRFPAGPGGPPPPFPGNLIKHLVKGTRPLFLETRIPWHMGHSIEEIPIFGLKAGQTPPRPPLGP
 PGPPGPPPPPGQVLPPLAGPPNRGDRPPPVLPFGQPFQPPPLGPLPPPPPPVPGYGGPPPPPPQ
 QGPPPPGPFPPRPPGLPPLTLAPPHLPGPPPGAPPAPHVNPAPFPPTNSGMPTSDSRGPPPTDP
 YGRPPPYDRGDYPPGREMDTARTPLSEAEFEEIMNRNRAISSAISRAVSDASAGDYGSAIETLVTAIS
 LIKQSKVSADDRCKVLISLQDCLHGIESKSYGSGRRERSRERDHSRSREKSRRHKSRSRDRHDDYYRE
 RSRERERHRDRDRDRERDREREYRHR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

OTI Disclaimer:	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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_001300947.2
RefSeq Size:	6741 bp
RefSeq ORF:	1767 bp
Locus ID:	11052
UniProt ID:	Q16630
Cytogenetics:	12q15
MW:	63.9 kDa
Gene Summary:	The protein encoded by this gene is one subunit of a cleavage factor required for 3' RNA cleavage and polyadenylation processing. The interaction of the protein with the RNA is one of the earliest steps in the assembly of the 3' end processing complex and facilitates the recruitment of other processing factors. The cleavage factor complex is composed of four polypeptides. This gene encodes the 68kD subunit. It has a domain organization reminiscent of spliceosomal proteins. [provided by RefSeq, Jul 2008]