

## Product datasheet for MR201225

### Cpsf4 (BC057067) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cpsf4 (BC057067) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Cpsf4  
**Synonyms:** MGC36996, 30kDa  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR201225 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGTGTCCATTCCGCCACATCAGTGGTGAGAAGACAGTTGTGTGCAAACACTGGCTGAGAGGACTGTGCA  
 AGAAAGGGGACCAGTGTGAGTCTTGCATGAATATGACATGACCAAGATGCCTGAGTGCTACTTTTACTC  
 CAAGTTCGGGGAATGCAGCAATAAGGAGTGCCCTTCTGCACATCGACCCTGAATCCAAGATCAAGGAC  
 TGCCCTTGGTATGACCGCGCTTCTGTAAGCATGGTCCCCTGTGTAGGCATCGGCACACCCGGAGAGTCA  
 TTTGTGTGAACACTCTTGTGGATTCTGCCCTGAGGGACCATCATGTAATTCATGCACCCTCGATTGA  
 ACTGCCCATGGGAACACTGAGCAACCCCCACTACCGCAGCAGACACAGCCTCCAACAAAGGTATTGTAC  
 CCTGCTGCCTCCCTGGCCACACTGGCCTGCAGAGATGGTCTCATTACCCACTCGGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR201225 protein sequence  
 Red=Cloning site Green=Tags(s)

MCPFRHISGEKTVVCKHWLRGLCKKGDQCEFLHEYDMTKMPECYFYSKFGECSNKECPFLHIDPESKIKD  
 CPWYDRGFCKHGPLCRHRHRRVICVNYLVGFCEGPEGSCKFMHPRFELPMGTTEQPPLPQQTPPTKVLVY  
 PAASLATLACRDGLITHSV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



[View online »](#)

**Cloning Scheme:**


**ACCN:** BC057067

**ORF Size:** 477 bp

**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:**
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:** [BC057067](#), [AAH57067](#)

**RefSeq Size:** 2992 bp

**RefSeq ORF:** 479 bp

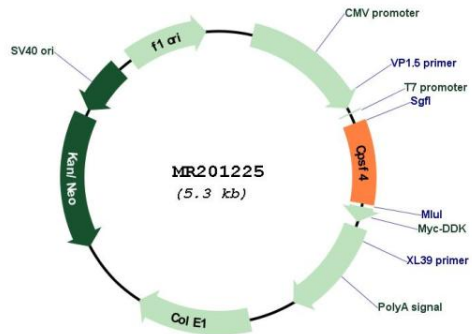
**Locus ID:** 54188

**Cytogenetics:** 5 G2

MW: 18.4 kDa

**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. CPSF4 binds RNA polymers with a preference for poly(U) (By similarity). [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR201225