

Product datasheet for **MG201225**

Cpsf4 (BC057067) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cpsf4 (BC057067) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Cpsf4
Synonyms: MGC36996, 30kDa
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201225 representing BC057067
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTGTCCATTCCGCCACATCAGTGGTGAGAAGACAGTTGTGTGCAAACACTGGCTGAGAGGACTGTGCA
 AGAAAGGGGACCAGTGTGAGTTCCTTGCATGAATATGACATGACCAAGATGCCTGAGTGCTACTTTTACTC
 CAAGTTCGGGGAATGCAGCAATAAGGAGTGCCCTTCTGCACATCGACCCTGAATCCAAGATCAAGGAC
 TGCCCTTGGTATGACCGGGCTTCTGTAAGCATGGTCCCTGTGTAGGCATCGGCACACCCGGAGAGTCA
 TTTGTGTGAACACTCTTGTGGATTCTGCCCTGAGGGACCATCATGTAATTCATGCACCCTCGATTGA
 ACTGCCCATGGGAACCACTGAGCAACCCCACTACCGCAGCAGACACAGCTCCAACAAAGTATTGTAC
 CCTGCTGCCTCCCTGGCCACACTGGCCTGCAGAGATGGTCTCATTACCCACTCGGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201225 representing BC057067
 Red=Cloning site Green=Tags(s)

MCPFRHISGEKTVVCKHWRGLCKKGDQCEFLHEYDMTKMPECYFYSKFGECSNKECPFLHIDPESKIKD
 CPWYDRGFCKHGPLCRHRHRRVICVNYLVGFCPEGPSCKFMHPRFELPMGTTEQPPLPQQTPPTKVLY
 PAASLATLACRDGLITHSV

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: BC057067

ORF Size: 479 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

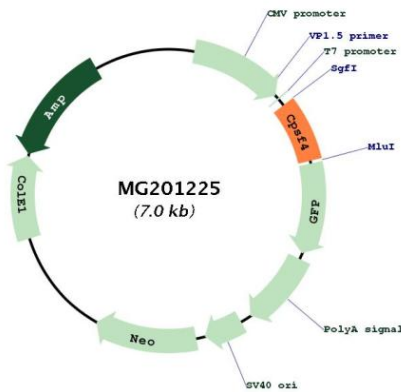
Locus ID: 54188

Cytogenetics: 5 G2

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 MG201225