

## Product datasheet for **MG218114**

### Cpsf1 (NM\_001164173) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cpsf1 (NM_001164173) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cpsf1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG218114 representing NM_001164173 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

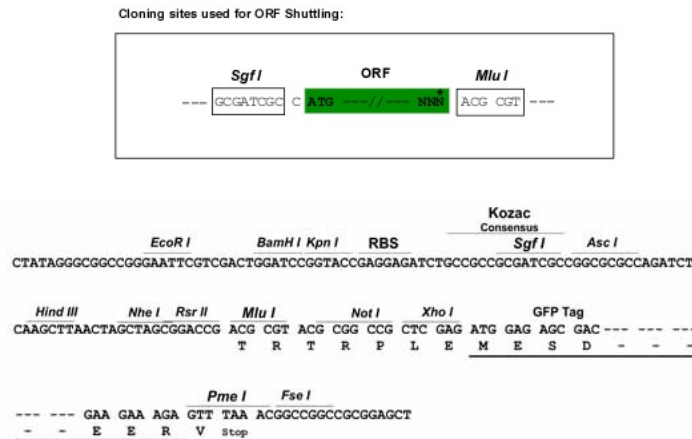
Protein Sequence: >MG218114 representing NM\_001164173  
 Red=Cloning site Green=Tags(s)

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 FAVNSLLYLNQSVPPYGVALNSL TTGTTAFPLRTQEGVRITLDCAQAAFISYDKMVISLKGGEIYVLTLI  
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 NQLHFIPVDL GAPIVQCAVADPYVVIMSAEGHVTMFL LKSDSYGGRHRLALHKPPLHHQSKVIALCLYR  
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 DNAQLGFLVSDRDRNLMVYMYLPEAKESFGGMRLRRAD FHVGAHVNTFWRTPCRGAAEGSPKSKSVVWEN  
 KHITWFATLDGGIGLLLP MQEKT YRRLMLQNALTTMLPHHAGLNPRAFRMLHVD RRRILQNAV RNVLDGE  
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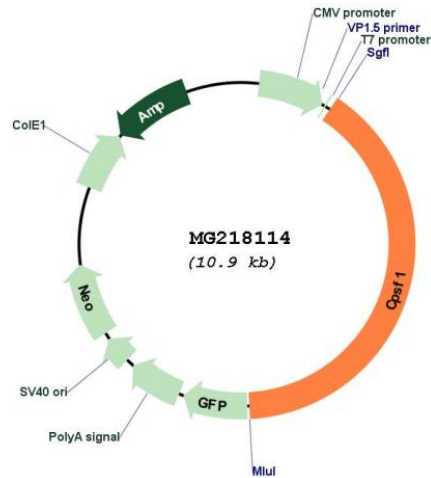
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001164173

ORF Size: 4350 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:** [NM\\_001164173.1](#), [NP\\_001157645.1](#)

**RefSeq Size:** 4513 bp

**RefSeq ORF:** 4353 bp

**Locus ID:** 94230

**UniProt ID:** [Q9EPU4](#)

**Cytogenetics:** 15 D3

**Gene Summary:** Component of the cleavage and polyadenylation specificity factor (CPSF) complex that plays 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. This subunit is involved in the RNA recognition step of the polyadenylation reaction (By similarity).[UniProtKB/Swiss-Prot Function]