

Product datasheet for **RG203519**

CPSF1 (NM_013291) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPSF1 (NM_013291) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CPSF1
Synonyms:	CPSF160; HSU37012; MYP27; P/cl.18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203519 representing NM_013291 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

ATGTACGCCGTGTACAAACAGGGCGCATCCGCCACCGGTCTGGAGTTCTCCATGTACTGCAACTTCTTCA
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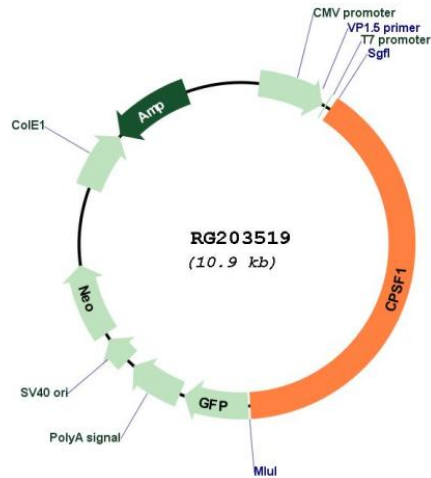


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CAGAACAGCCCCGAGCCCGACCTGGAGATTGTGGTTTGTCTCCGGCCACGGGAAGAACGGGGCTTTGTCCG
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 CCACACCAGACATAATCCTGGACGACTTCTGGAGACGGACCGCTCACCGCCCACTTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Plasmid Map:



ACCN: NM_013291

ORF Size: 4329 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_013291.3](#)

RefSeq Size: 4494 bp

RefSeq ORF: 4332 bp

Locus ID: 29894

UniProt ID: [Q10570](#)

Cytogenetics: 8q24.3

Domains: CPSF_A

Gene Summary: Cleavage and polyadenylation specificity factor (CPSF) is a multisubunit complex that plays a central role in 3-prime processing of pre-mRNAs. CPSF recognizes the AAUAAA signal in the pre-mRNA and interacts with other proteins to facilitate both RNA cleavage and poly(A) synthesis. CPSF1 is the largest subunit of the CPSF complex (Murthy and Manley, 1995 [PubMed 7590244]).[supplied by OMIM, Mar 2008]