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Product datasheet for RC203519

CPSF1 (NM_013291) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPSF1 (NM_013291) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CPSF1
Synonyms:	CPSF160; HSU37012; MYP27; P/cl.18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC203519 representing NM_013291
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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Protein Sequence:

>RC203519 representing NM_013291
Red=Cloning site Green=Tags(s)

MYAVYKQAHPPTGLEFSMYCNFFNNSERNLVVAGTSQLYVYRLNRDAEALTKNDRSTEGKAHREKLELAA
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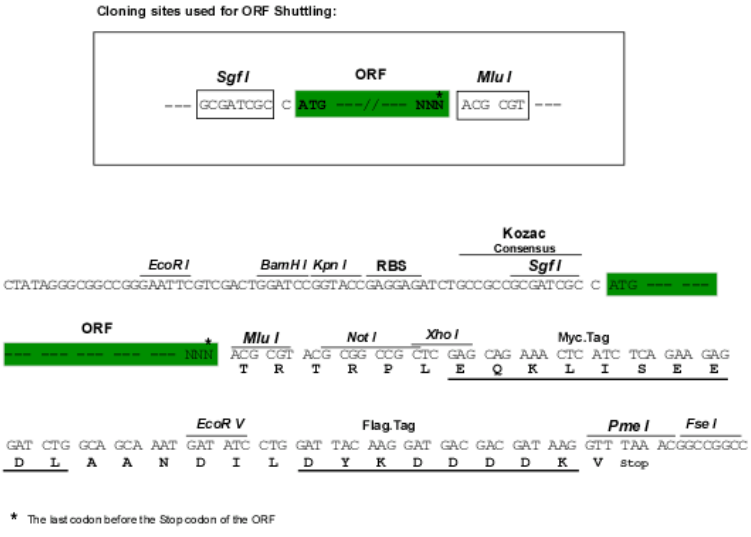
Chromatograms: https://cdn.origene.com/chromatograms/mk8119_d08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

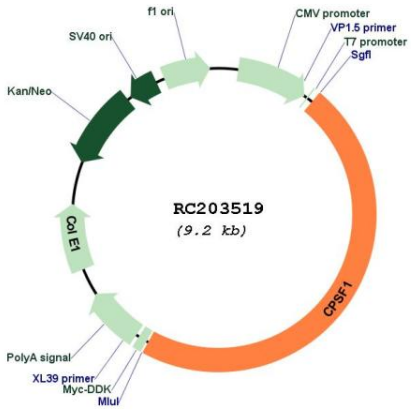


ACCN: NM_013291

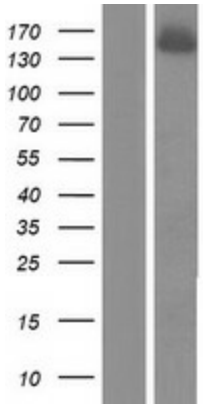
ORF Size: 4329 bp

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_013291.3
RefSeq Size:	4494 bp
RefSeq ORF:	4332 bp
Locus ID:	29894
UniProt ID:	Q10570
Cytogenetics:	8q24.3
Domains:	CPSF_A
MW:	161.3 kDa
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]

Product images:



Circular map for RC203519



Western blot validation of overexpression lysate (Cat# [LY415687]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203519 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).