

# Product datasheet for MR211989L3

## Cpsf1 (NM\_053193) Mouse Tagged Lenti ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	Cpsf1 (NM_053193) Mouse Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	Cpsf1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211989).
<b>Restriction Sites:</b>	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf I         ORF         Mlu I            GCG ATC GC C         ATG // NNÑ         ACG CGT

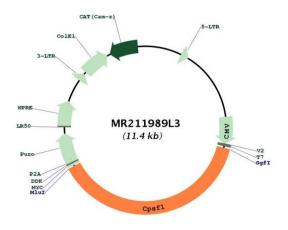
			Kozak Consensus	
EcoR I	BamH I	RBS	Sgf I ORF	F
CTATAGGGCGGCCGGGAATTCGTC	GACTGGATCCGG	TACCGAGGAGATCTGC	CCGCCGCGATCGC C ATG	
	Mlul	Notl_Xhol	Myc.Tag	
NNŇ	ACG CGT ACG T R T	CGG CCG CTC GAG R P L E	CAG AAA CTC ATC TCA GAA GAG Q K L I S E E	
		DDK.Tag		
GAT CTG GCA GCA AAT GAT ATC C <u>D</u> LAANDI I	TG GAT TAC AAG L D Y K	GAT GAC GAC GAT AA D D D D K	G GTT TGGGTAGGAAG V	

\* The last codon before the Stop codon of the ORF.



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#### Plasmid Map:



ACCN:	NM_053193
ORF Size:	4326 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. <u>More info</u>
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:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
RefSeq:	<u>NM 053193.2, NP 444423.1</u>
RefSeq Size:	4538 bp

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	Cpsf1 (NM_053193) Mouse Tagged Lenti ORF Clone – MR211989L3
RefSeq ORF:	4326 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]

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