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Product datasheet for MR203055L3V

Emg1 (NM_013536) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Emg1 (NM_013536) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Emg1
Synonyms:	C2f; Grcc2f
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_013536
ORF Size:	735 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR203055).`
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.
RefSeq:	NM_013536.1
RefSeq Size:	1086 bp
RefSeq ORF:	735 bp
Locus ID:	14791
UniProt ID:	O35130
Cytogenetics:	6 59.17 cM

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Gene Summary: S-adenosyl-L-methionine-dependent pseudouridine N(1)-methyltransferase that methylates pseudouridine at position 1248 (Psi1248) in 18S rRNA. Involved the biosynthesis of the hypermodified N1-methyl-N3-(3-amino-3-carboxypropyl) pseudouridine (m1acp3-Psi) conserved in eukaryotic 18S rRNA. Is not able to methylate uridine at this position. Has also an essential role in 40S ribosomal subunit biogenesis independent on its methyltransferase activity, facilitating the incorporation of ribosomal protein S19 during the formation of pre-ribosomes.[UniProtKB/Swiss-Prot Function]