

Product datasheet for **MR210546L4V**

Cmtr2 (NM_146215) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cmtr2 (NM_146215) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cmtr2
Synonyms:	AU022703; C730036L12Rik; Ftsjd1; MTr2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_146215
ORF Size:	2304 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210546).
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_146215.2
RefSeq Size:	3577 bp
RefSeq ORF:	2304 bp
Locus ID:	234728
UniProt ID:	Q8BWQ4
Cytogenetics:	8 D3



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Gene Summary:

S-adenosyl-L-methionine-dependent methyltransferase that mediates mRNA cap2 2'-O-ribose methylation to the 5'-cap structure of mRNAs. Methylates the ribose of the second nucleotide of a m(7)GpppG-capped mRNA and small nuclear RNA (snRNA) (cap0) to produce m(7)GpppRmpNm (cap2). Recognizes a guanosine cap on RNA independently of its N(7) methylation status. Display cap2 methylation on both cap0 and cap1. Displays a preference for cap1 RNAs.[UniProtKB/Swiss-Prot Function]