

Product datasheet for MC201953

Cmtr1 (NM_028791) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cmtr1 (NM_028791) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cmtr1
Synonyms:	1300018I05Rik; AI451264; Ftsjd2; MTr1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC024691 sequence for NM_028791
GGGAGGAGGAGGTTGCAGGGCCAGCCTGGGCGGCGACAGTGGCGGCTGGTCCCTCGTCTCCGCTCGCCC
GCTACTCGCCCCATCCCCTCAGCTAACAAATGAAGAGGAGAAGTACCAGCAATGCACTGCCCCCTCAAG
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GCAGGGCTTCGATCAGGAGCTGAATGTGGACTGGCGAGATGAGCCGAGCCCAATGCCTGTGAGCAAGTG
TCGTGGTTTCCAGAATGTACCACTGAAATTCCTGACTCTCGGAAATGAGTGACTGGATGGTCGTAGGAA
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TAAGAGTGTGTTGACATCCTGGATGGGAGGAGATGCGCGAGCGCGCACCAGACCAATCCCTATGAG
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CAGAGATCCGCAAGAATGCCTCCAGCTGTGGAAGATCCAGACCAGGCTCGAGTTGCTCCTTCTCTTCC
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CTGCTCACTGCCAAAACCTCTGGAGAAGATCCGTCCTGTGTTGGAGTATCGTTGCATGGTGTCTGGCAGCG
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ACAGAATCTTGGATCATTAAACATATTTTTACTGCTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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- Restriction Sites:** RsrII-NotI
- ACCN:** NM_028791
- Insert Size:** 2514 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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:** [BC024691](#), [AAH24691](#)
- RefSeq Size:** 3724 bp

RefSeq ORF: 2514 bp

Locus ID: 74157

UniProt ID: [Q9DBC3](#)

Cytogenetics: 17 A3.3

Gene Summary: S-adenosyl-L-methionine-dependent methyltransferase that mediates mRNA cap1 2'-O-ribose methylation to the 5'-cap structure of mRNAs. Methylates the ribose of the first nucleotide of a m(7)GpppG-capped mRNA and small nuclear RNA (snRNA) to produce m(7)GpppRm (cap1). Displays a preference for cap0 transcripts. Cap1 modification is linked to higher levels of translation. May be involved in the interferon response pathway.[UniProtKB/Swiss-Prot Function]