

Product datasheet for **MR210546**

Cmtr2 (NM_146215) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cmtr2 (NM_146215) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cmtr2
Synonyms:	AU022703; C730036L12Rik; Ftsjd1; MTr2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR210546 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCAAGCGCAGAAAGCTTCCGGCTCGGCAGCCAGCTTGCTTGGAGACCTTCAGCCCAGACGTCCTCA
 ATGACGTGTCTGAGCTCTTTGCCAAGAGCTTTTCTACCGTAAGCCACTCGATAATGAGTGGCAGTTACC
 AGCTCCACGGAGAGCTTCTCCTGTGGGCACCTCGAGTTCAGGGCTCTTCTAGACTTGAAGAAGCTCCCTG
 AACGAAGTGAAGAAGCTCCTGAGCGATAAAGAAGCTGGACGAGTGGCACAGGCACACGGCCTTACCAACA
 AGGCAGGCAAAATCATCTCTCATGTCAAAAAGGCCGTGAACACGGAACTCTGCACTCAGGCCTGGTGCAA
 ATTCCAGGAGATCCTGTGCAGTTTCCCCCTCATTCCGCAGGAAGCTTTTCAGAGTGAAGACTGAATTCT
 CTGCACCTGTGTGAAGCTCCGGGCGCTTCATCGCTAGCCTCAACCATTACTTAAATCTCACCGGTTCC
 CCTGTGAATGGAGCTGGGTGGCGAACAGCTGAATCCATACCACGAGGCAACGACAATCTTAGGATGAT
 TACGGATGACCGGCTGATGGCAAATACCTTGCACTGCTGGTACTTCGGCCAGATAATACCGGTGATATC
 ATGACCCTGAAATATCTGACCGGCTTCAGGACTTCTCAGCGGATGTCTCCATTCACTTGGTACCGG
 CTGATGGCAGCTTCGATTGCCAAGGAAACCCAGGTGAACAGGAAGCCTTAGTGTCTGCTTTTGCATTACTG
 CGAAGCTGTCACTGCTCTGATCACTCTTGGAGACGGCGGCTCTTTTGTCTAAAGATGTTTACGTTGTT
 GAACACTGTTCTGTGAACCTCATGTACCTGCTAAATTGTTCTTTTACCAAGTTCATGTTTTCAAACCTG
 CGACTAGCAAGGCAGGAAACTCAGAAGTCTATGTGGTGTGTCTTCGCTATAAGGGAAAGAGAGGCCGTTCA
 GCCTCTGCTATCTAGGATGGTGTGAACCTCGGCACTGAGATGACCAGGAAGGCGCTCTTTCCTCATCAT
 GTGATCCCCAAATCCTTCTTGGAGCAGCAGGAAGAGTGTGTACGTTCTTTCATAGATACCAGTTAGAGA
 CTATATCTGAGAACATTCGTTTGGAGCATGGGAACGGGGGAGCAAGAGAGACTCAATAATCTAAG
 GGATTGCGCTGTACAATATTTTATGCAAAAATTTCAACTGAAGCCTCTTTCAGAAATCACTGGCTCGTT
 AAAAAAGTCCAATATTGGTTGTAGTATGAACACGAAATGGTTTGGACAGAGAAACAAGTATTTTAAAACT
 ATAATGAACGGAAGATGATGAAACCTTTTTCATGGAAGGATAAAGTAGCCAAAGGATACTTCAATAGTTG
 GGCAGAGGAACACACCGTCTATCATCCCGGGCAGAATTCCTCCTTGAAGGGACTGCTTCCAGTCTTGAG
 TACCAGTCGTGGCAAGTCTTAGAAGGAAAGAACTGCCGAAGGTAAAGTGTCCCTTTCTGTGATGGT
 AAATTTTAAAGACTCTCAATGAAGCCATCGAGAAGTCTTAGGAGAAGCTTTGAGCGTGGATGCCAAGGT
 CAGTTCCAAGCAGCAATACCGCTGTTGTCCCGTCTTTTCAGAAGAGTCAGTATTATCCGAGTTGTTGAG
 CTTACCAAGTGCCTTCCGGACGAAACAGGGTGGGAACCCAGCGGCCAGTCAAGTGCCTGCTGGTGGCT
 CACCGGCCGTCTGTGATCTCCAGATGCCCGGCCACTGGAAATCCAGCTTGTGGAGTCCGTGGAGCTCAC
 AGCCTTACAGTGTTCCTGCTTACGATGGTGACCAGCCTACCAGCATTGTTCTTGGACTGCCTGCTG
 CACTCACTGAGGCGGCTTACAGGGGAGATGTGATGGTCTTGCCATCCTTTCTGCTTACAGAGTTTA
 TGGCTGGCCTGACCTTCGCTCCACGGCTGTTTTAGATTTATCACGTTCTTGTCCCAGTCCCTGGA
 GCCCTCAGGACCTGTCCGCTTGTGTGCATTGGTTATCAGAACCTTCCAGATGCAGTTTTCCAGTTT
 CTACAGAATGTTTCATGACCTCTTGGCAAGCTGCTGCACCCAGTGCCTCAGGAGATTTTACAGTTCC
 TACCAATGGAGGCGCTCCTTACGGGACGCTGCTTACTTTTGTGGGATTTGAACGCTGCCATTGCTAA
 AAGGCATCTGCATTTGATTATTCAAGGAGAGCGAGACCAAGCCATCGGCAGCCTTGAGTTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

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: [NM_146215.1](#)

RefSeq Size: 3577 bp

RefSeq ORF: 2304 bp

Locus ID: 234728

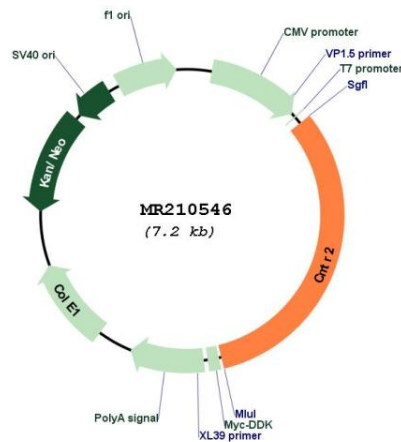
UniProt ID: [Q8BWQ4](#)

Cytogenetics: 8 D3

MW: 87.2 kDa

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]

Product images:



Circular map for MR210546