

Recombinant Full Length Mouse Cap-Specific Mrna (Nucleoside-2'-O-)-Methyltransferase 2(Cmtr2) Protein, His-Tagged

Cat. No. RFL594MF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Mouse Cap-specific mRNA (nucleoside-2'-O-)-methyltransferase 2(Cmtr2) Protein (Q8BWQ4) (1-767aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Full Length (1-767)
Form	Lyophilized powder
AA Sequence	MSKRRKLPARQPACLETFS PDVLNDVSELF AKSFSYRKPLDNEWQLPAPTESFSCG HLEF RALLDLKNSLNEVKNLLSDKKLDEWHRHTAFTNKAGKIISHVKKAVNAELCTQ AWCKFQE ILCSFPLIPQEA FQSGRLNSLHLCEAPGAFIASLNHYLKSHRFPCEWSW VANSLNPYHEA NDNLRMITDDRLMANTLHCWYFGPDNTGDIMTLKYLTGLQDFLSG MSPIHLVTADGSFDC QGNPGEQEALVSSLHYCEAVTALITLGDGGSFVLKMF TLF E H CSVNLMYLLNCSFDQVHV FKPATSKAGNSEVYV VCLRYKGREAVQPLLSRMVLNF GTEMTRKALFPHHVIPKSFLERH EECCTFFHRYQLETISENIRLFESMG TGEQERLN NLRDCAVQYFMQKFQLKPLSRNH WL V KKS NIGCSMNTKWFGQRNKYFKTYNERK MMETLSWKDKVAKGYFNSWAE EHTVYHPGQNS LLEG TASSLEYQSWQVLEGKKL PKVKCSPFCDGEILKTLNEAIEKSLGEALSVD AKVSSK QQYRCCPVFSEESVLS ELL

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RLTKCLPDEQGAEPSPVKCLLVGSPAVCDLQMPAPLEIQL VESVELTAFSCSLLDH
 GDPAYQHFLDCLLHSLRRLHRGDVMVLPILSCFTRFMAGLTFV LHGCFRFTFSCP
 TSLEPLRTCAVLLCIGYQNLPAVDFQFLQNVHDLLSKLLHPSAPRQI LQFLPMEALLQ
 GTLLDFLWDLNAAIAKRHLHLIIQGERDQAIGSLEL

Purity Greater than 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Storage Store at -20°C/-80°C upon receipt, aliquoting is necessary for multiple use. Avoid repeated freeze-thaw cycles.

Storage Buffer Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name Cmtr2

Synonyms Cmtr2; Ftsjd1; Cap-specific mRNA; nucleoside-2'-O--methyltransferase 2; Cap methyltransferase 2; Cap2 2'O-ribose methyltransferase 2; MTr2; FtsJ methyltransferase domain-containing protein 1

UniProt ID [Q8BWQ4](https://www.uniprot.org/entry/Q8BWQ4)

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