

mRNA Cap 2'-O-methyltransferase

Cat. No.:	HY-E70081	
Target:	Biochemical Assay Reagents	
Pathway:	Others	
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	mRNA Cap 2'-O-methyltransferase

BIOLOGICAL ACTIVITY

Description	mRNA Cap 2'-O-methyltransferase uses S-adenosylmethionine (SAM) as a methyl donor to add a methyl group at the 2'-O position of the first nucleotide at the 5' end of Cap-0 mRNA, resulting in Cap-1 structure. Cap-1 structure promotes translation efficiency, increasing subsequent protein expression ^[1] .
In Vitro	mRNA Cap 2'-O-methyltransferase CMTR1 regulates the expression of certain Interferon-Stimulated Genes ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Williams GD, et al. The mRNA Cap 2'-O-Methyltransferase CMTR1 Regulates the Expression of Certain Interferon-Stimulated Genes. mSphere. 2020 May 13;5(3):e00202-20.

Caution: Product has not been fully validated for medical applications. For research use only.

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