



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## mRNA Cap 2'-O-methyltransferase

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

### BIOLOGICAL ACTIVITY

<b>Description</b>	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 <sup>[1]</sup> .
<b>In Vitro</b>	mRNA Cap 2'-O-methyltransferase CMTR1 regulates the expression of certain Interferon-Stimulated Genes <sup>[1]</sup> . 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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