

Datasheet for ABIN7564446  
**CMTR2 Protein (AA 1-767) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	CMTR2
Protein Characteristics:	AA 1-767
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CMTR2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Cmtr2 Protein expressed in mammalien cells.
Sequence:	<p>MSKRRKLPAR QPACLETFSF DVLNDVSELF AKSFSYRKPL DNEWQLPAPT ESFSCGHLEF RALLDLKNSL NEVKNLSDK KLDEWHRHTA FTNKAGKIIS HVKKAVNAEL CTQAWCKFQE ILCSFPLIPQ EAFQSGRLNS LHLCEAPGAF IASLNHYLKS HRFPCESWW ANSLNPYHEA NDNLRMITDD RLMANTLHCW YFGPDNTGDI MTLKYLTGLQ DFLSGMSPH LVTADGSFDC QGNPGEQEAL VSSLHYCEAV TALITLGDGG SFVLKMFTLF EHCSVNLMYL LNCSFDQVHV FKPATSKAGN SEVYVCLRY KGREAVQPLL SRMVLNFGTE MTRKALFPHH VIPKSFLERH EECCTFFHRY QLETISENIR LFESMGTGEQ ERLNNLRDCA VQYFMQKFQL KPLSRNHWL KKSNI GCSMN TKWFGQRNKY FKTYNERKMM ETL SWKDKVA KGYFN SWAEE HTVYHPGQNS LLEG TASSLE YQSWQVLE GK KLPKVKCSPF CDGEILKTLN EAIEKSLGEA LSVDAKVSSK QQYRCCPVFS EESVLSLLR LTKCLPDEQG AEPSGPVKCL LVGSPA VCDL QMPAPLEIQL VESVELTAFS CSLLHDGPA YQHLFLDCLL HSLRRLHRGD VMVLPILSCF TRFMAGLTFV</p>

## Product Details

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LHGCFRFITF SCPTSLEPLR TCAVLLCIGY QNLPAVDFQF LQNVHDLLSK LLHPSAPRQI  
LQFLPMEALL QGTLDFLWD LNAAIAKRHL HLIQGERDQ AIGSLEL **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

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### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

CMTR2

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### Alternative Name:

Cmtr2 ([CMTR2 Products](#))

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### Background:

Cap-specific mRNA (nucleoside-2'-O-)-methyltransferase 2 (EC 2.1.1.296) (Cap methyltransferase 2) (Cap2 2'-O-ribose methyltransferase 2) (MTr2) (FtsJ methyltransferase domain-containing protein 1),FUNCTION: 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.

## Target Details

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{ECO:0000250|UniProtKB:Q8IYT2}.

Molecular Weight: 87.1 kDa

UniProt: [Q8BWQ4](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months