

Datasheet for ABIN7553508
CMTR2 Protein (AA 1-770) (His tag)



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Overview

Quantity:	1 mg
Target:	CMTR2
Protein Characteristics:	AA 1-770
Origin:	Human
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 mammalian cells.
Sequence:	MSKCRKTPVQ QLASPASFSP DILADIFELF AKNFSYGKPL NNEWQLPDPS EIFTCDHTEL NAFLDLKNSL NEVKNLSDK KLDEWHEHTA FTNKAGKIIS HVRKSVNAEL CTQAWCKFHE ILCSFPLIPQ EAFQNGKLS LHLCEAPGAF IASLNHYLKS HRFPCHSWV ANTLNPYHEA NDDLMMIMDD RLIANTLHWW YFGPDNTGDI MTLKFLTGLQ NFISSMATVH LVTADGSFDC QGNPGEQEAL VSSLHYCEVV TALTTLGNGG SFVLKMFTMF EHCSINLMYL LNCCFDQVHV FKPATSKAGN SEVYVCLHY KGREAIHPLL SKMTLNFGE MKRKALFPHH VIPDSFLKRH EECCVFFHKY QLETISENIR LFECMGKAEQ EKLNNLRDCA IQYFMQKFQL KHLSRNNWL KKSSIGCSTN TKWFGQRNKY FKTYNERKML EALSWKDKVA KGYFNSWAE HGVYHPGQSS ILEGTASNLE CHLWHILEGK KLPKVKCSPF CNGEILKTLN EAIEKSLGGA FNLD SKFRPK QQYSCSCHVF SEELIFSELC SLTECLQDEQ VVPSNQIKC LLVGFSTLRN IKMHIPLEVR LLESAELTTF SCSLLHDGDP TYQRLFLDCL LHSLRELHTG DVMILPVLSC FTRFMAGLIF

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VLHSCRFIT FVCPTSSDPL RTCAVLLCVG YQDLNPVFR YLQSVNELLS TLLNSDSPQQ
VLQFVPM EVL LKGALLDFLW DLNAAIAKRH LHFIIQRERE EIINSLQLQN **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.

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.

Purity:

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

Grade:

custom-made

Target Details

Target:

CMTR2

Alternative Name:

CMTR2 ([CMTR2 Products](#))

Background:

Cap-specific mRNA (nucleoside-2'-O-)-methyltransferase 2 (EC 2.1.1.296) (Cap methyltransferase 2) (Cap2 2'-O-ribose methyltransferase 2) (HMT_r2) (MTr₂) (FtsJ methyltransferase domain-containing protein 1) (Protein adrift homolog),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

Target Details

cap1 RNAs. {ECO:0000269|PubMed:21310715}.

Molecular Weight: 88.1 kDa

UniProt: [Q8IYT2](#)

Application Details

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

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