

Datasheet for ABIN7553475

CMTR1 Protein (AA 1-835) (His tag)



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Overview

Quantity:	1 mg
Target:	CMTR1
Protein Characteristics:	AA 1-835
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CMTR1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CMTR1 Protein expressed in mammalian cells.
Sequence:	<p> MKRRTDPECT APIKKQKKRV AELALSLSST SDDEPPSSVS HGAKASTTSL SGSDSETEGK QHSSDSFDDA FKADSLVEGT SSRYSMYNSV SQKLMAKMGF REGEGLGKYS QGRKDIVEAS SQKGRRGLGL TLRGFDQELN VDWRDEPEPS ACEQVSWFPE CTTEIPDTQE MSDWMVVGKR KMIIEDETEF CGEELLHSV L QCKSVFDVLD GEEMRRARTR ANPYEMIRGV FFLNRAAMKM ANMDFVFDRM FTNPRDSYGK PLVKDREAEL LYFADVCAGP GGFSEYVLWR KKWHAKGFGM TLKGPNDFKL EDFYSASSEL FEPYYGEGGI DGDGDITRPE NISAFRNFVL DNTDRKGVHF LMADGGFSVE GQENLQEILS KQLLLCQFLM ALSIVRTGGH FICKTFDLFT PFSVGLVYLL YCCFERVCLF KPITSRPANS ERYVVCKGLK VGIDDVRDYL FAVNIKLNQL RNTDSVDNVLV VPLEVIKGDH EFTDYMIRSN ESHCSLQIKA LAKIHAFVQD TTLSEPRQAE IRKECLRLWG IPDQARVAPS SSDPKSKFFE LIQGTEIDIF SYKPTLLTSK TLEKIRPVFD YRCMVSGSEQ KFLIGLGKSQ IYTDWGRQSD RWIKLDLKTE LPRDTLLSVE IVHELKGEK AQRKISAIHI LDVLVLNGTD VREQHFNQRI QLAKEFVKAV SKPSRPDMNP IRVKEVYRLE EMEKIFVRLE </p>

Product Details

MKIIKGSSGT PKLSYTGRDD RHFVPMGLYI VRTVNPEWMTM GFSKSFKKKF FYNKTKDST
FDLPADSIAP FHICYYGRLF WEWGDGIRVH DSQKPQDQDK LSKEDVLSFI QMHRA **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.**

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	CMTR1
Alternative Name:	CMTR1 (CMTR1 Products)
Background:	Cap-specific mRNA (nucleoside-2'-O-)-methyltransferase 1 (EC 2.1.1.57) (Cap methyltransferase 1) (Cap1 2'O-ribose methyltransferase 1) (MTr1) (hMTr1) (FtsJ methyltransferase domain-containing protein 2) (Interferon-stimulated gene 95 kDa protein) (ISG95),FUNCTION: S-adenosyl-L-methionine-dependent methyltransferase that mediates mRNA cap1 2'-O-ribose methylation to the 5'-cap structure of mRNAs. Methylates the ribose of the first nucleotide of a m(7)GpppG-capped mRNA and small nuclear RNA (snRNA) to produce

Target Details

m(7)GpppRm (cap1). Displays a preference for cap0 transcripts. Cap1 modification is linked to higher levels of translation. May be involved in the interferon response pathway.
{ECO:0000269|PubMed:18533109, ECO:0000269|PubMed:20713356, ECO:0000269|PubMed:21310715}.

Molecular Weight: 95.3 kDa

UniProt: [Q8N1G2](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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