

Datasheet for ABIN7554550

## MCTP2 Protein (AA 1-878) (His tag)



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### 3 Images

#### Overview

Quantity:	1 mg
Target:	MCTP2
Protein Characteristics:	AA 1-878
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MCTP2 protein is labelled with His tag.

#### Product Details

Purpose:	Custom-made recombinant MCTP2 Protein expressed in mammalian cells.
Sequence:	<p>MDLDKPSVWG SLKQRTRPLL INLSKKKVKK NPSKPPDLRA RHHLDRRLSL SVPDLLEAEA</p> <p>LAPEGRPYSG PQSSYTSVPS SLSTAGIFPK SSSSSLKQSE EELDWSQEEA SHLHVVEDTS</p> <p>EEAYASPAER RRVSSNGIFD LQKTSLGGDA PEEPEKLCGS SDLNASMTSQ HFEEQSVPG</p> <p>ASDGLSNLPS PFAYLLTIHL KEGRNLVVRD RCGTSDPYVK FKLNGKTLTK SKVIYKNLNP</p> <p>VWDEIVVLPI QSLDQKLRVK VYDRDLTTSF FMGSAFVILS DLELNRTTEH ILKLEDPNSL</p> <p>EDDMGVIVLN LNLVVKQGDF KRHRWSNRKR LSASKSSLIR NLRLSESLKK NQLWNGIISI</p> <p>TLLEGKNVSG GSMTEMFVQL KLGDKRYKSK TLCKSANPQW QEQDFDHYFS DRMGILDIEV</p> <p>WGKDNKKHEE RLGTCKVDIS ALPLKQANCL ELPLDSCLGA LLMLVTLTPC AGVSVSDLCV</p> <p>CPLADLSERK QITQRYCLQN SLKDVKDVGI LQVKVLKAAD LLAADFSGKS DPFCLELGN</p> <p>DRLQHTTVYK NLNPEWNVKF TFPIKDIHDV LEVTVFDEDG DKPPDFLGKV AIPLLSIRDG</p> <p>QPNQYVLKNK DLEQAFKGI YLEMDLIYNP VKASIRTFTP REKRFVEDSR KLSKKILSRD</p> <p>VDRVKRITMA IWNTMQFLKS CFQWESTLRS TIAFAVFLIT VWNFELYMIP LALLLIFVYN</p>

FIRPVKGKVS SIQDSQUESTD IDDEEDEDK ESEKKGLIER IYMQDIVST VQNVLEEIAS  
FGERIKNTFN WTVPFLSSLA CLILAAATII LYFIPLRYII LIWGINKFTK KLRNPYSIDN NELLDFLSRV  
PSDVQKVQYA ELKLCSSHSP LRKKRSAL **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:** **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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

**Grade:** custom-made

## Target Details

**Target:** MCTP2

**Alternative Name:** MCTP2 ([MCTP2 Products](#))

**Background:** Multiple C2 and transmembrane domain-containing protein 2,FUNCTION: Might play a role in the development of cardiac outflow tract. {ECO:0000269|PubMed:23773997}.

**Molecular Weight:** 99.6 kDa

**UniProt:** [Q6DN12](#)

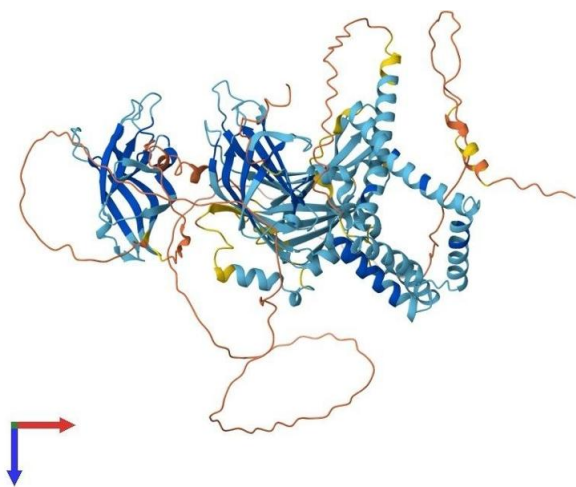
Application Details

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

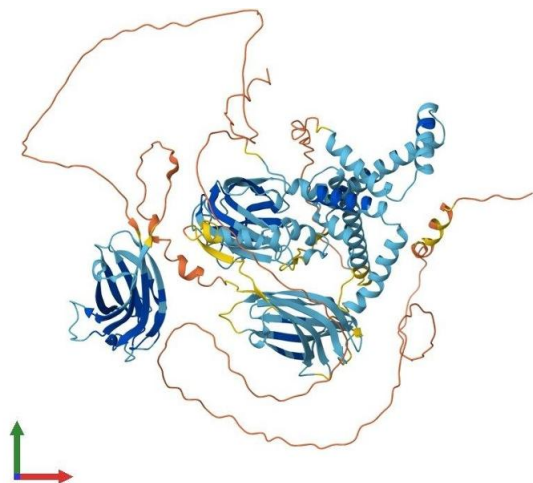
Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

Images



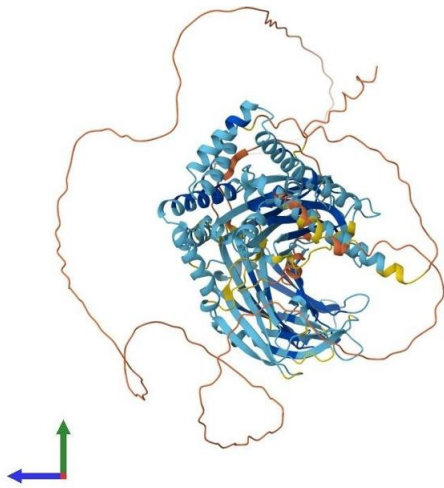
Protein Structure

**Image 1.** AlphaFold protein structure prediction of Human Recombinant MCTP2 Protein, UniprotID Q6DN12



Protein Structure

**Image 2.** AlphaFold protein structure prediction of Human Recombinant MCTP2 Protein, UniprotID Q6DN12



### Protein Structure

**Image 3.** AlphaFold protein structure prediction of Human Recombinant MCTP2 Protein, UniprotID Q6DN12