

Datasheet for ABIN7553492
Cmah Protein (AA 1-501) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Cmah (CMAHP)
Protein Characteristics:	AA 1-501
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cmah protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CMAHP Protein expressed in mammalian cells.
Sequence:	<p>MDENGLLLLL ELNPPNPWDL QRSPEELAF GEVQITYLTH ACMDLKLGDGK RMVFDPWLIG PAFARGWWLL HEPPSDWLER LCQADLIYIS HLHSDHLSYP TLKLAGRRP DIPIYVGNTE RPVFWNLNQS GVQLTNINVV PFGIWQQVDK NLRFMILMDG VHPMDTCII VEYKGHKILN IVDCTRPNGG RLPMKVALMM SDFAGGASGF PMTFSGGKFT EEWKAQFIKT ERKLLNYKA RLVKNLQPRI YCPFAGYFVE SHPSDKYIKE TNTKNDPNEL NNLIKKNSDV ITWTPRPGAT LDLGRMLKDR TDSKGIIEPP EGTKIYKDSW DFEPYLEILN AALGDEIFLH SSWIKEYFTW AGFKDYNLVV RMIETDEDFN PFPGGYDYLVDLFLDLSFPKE RPQREHPYEE IHSRVDVIRH VVKNGLLWDE LYIGFQTRLQ RDPDIYHHLF WNHFQIKLPL TPPNWKSFLM CCEQNGPVIL QFSTERTNEP NRNKFSVENK A 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.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

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:

Cmah (CMAHP)

Alternative Name:

CMAHP ([CMAHP Products](#))

Background:

Inactive cytidine monophosphate-N-acetylneuraminic acid hydroxylase (CMP-NeuAc hydroxylase-like protein) (Cytidine monophosphate-N-acetylneuraminic acid hydroxylase pseudogene),FUNCTION: Sialic acids are components of carbohydrate chains of glycoconjugates and are involved in cell-cell recognition and cell-pathogen interactions. That protein has no CMP-N-acetylneuraminate monooxygenase activity and is not able to convert CMP-N-acetylneuraminic acid (CMP-Neu5Ac) into its hydroxylated derivative CMP-N-glycolylneuraminic acid (CMP-Neu5Gc), a sialic acid abundantly expressed at the surface of many cells in vertebrates (PubMed:9624188). However, it may play a role in Wnt signaling (PubMed:19890979). {ECO:0000269|PubMed:19890979, ECO:0000269|PubMed:9624188, ECO:0000303|PubMed:11562455, ECO:0000303|PubMed:12192086, ECO:0000303|PubMed:9751737}.

Molecular Weight:

58.4 kDa

Target Details

UniProt: [Q9Y471](#)

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