

Datasheet for ABIN7556689
CTPS2 Protein (AA 1-586) (His tag)



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Overview

Quantity:	1 mg
Target:	CTPS2
Protein Characteristics:	AA 1-586
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CTPS2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Ctps2 Protein expressed in mammalian cells.
Sequence:	<p>MKYILVTGGV ISGIGKGIIA SSIGTILKSC GLRVTAIKID PYINIDAGTF SPYEHGEV FV LNDGGEVDLD LGNYERFLDI NLYKDNNITT GKIYQHVINK ERRGDYLGKT VQVPHITDA IQEWVMNQAK VSDVGNKEDP QICVIELGGT IGDIEGMAFV EAFRQFQFKA KKENFYNIHV SLVPQPSATG EQKTKPTQNS VRALRGLGLS PDLIVCRSST PIEMAVKEKI SMFCHVNPEQ VICIHDVSSI YRVPLLLLEEQ GVVKYFQERL GLPINDCSSN LLFKWKAMAD RYERLQKICS IALVGKYTKL RDCYASVFKA LEHSALAINH KLNLMYIDSI DLEPVTKAED PVKFHEAWQK LCLADGILVP GGFGIRGTLG KLQAI SWART KKIPFLGICL GMQLAVIEFA RNCLNLKDAN STEFEPNTPV PLVIDMPEHN PGDLGGTMRL GLRRTVFTTE NSILKKLYGD VPYIEERHRH RYEVNPNLIN QFENKDLCFV GEDVDGKRME IVELTSHPYF IG VQFHPEFS SRPMKPSPPY LGLLLAATGN LNAHLQMQNK LPYSDGYSDA SDDSFPEAKL AELDLN 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</p>

Product Details

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: CTPS2

Alternative Name: Ctps2 ([CTPS2 Products](#))

Background: CTP synthase 2 (EC 6.3.4.2) (CTP synthetase 2) (CTPsH) (UTP--ammonia ligase 2),FUNCTION: Catalyzes the ATP-dependent amination of UTP to CTP with either L-glutamine or ammonia as the source of nitrogen. Constitutes the rate-limiting enzyme in the synthesis of cytosine nucleotides (By similarity). {ECO:0000250}.

Molecular Weight: 65.5 kDa

UniProt: [P70303](#)

Pathways: [Ribonucleoside Biosynthetic Process](#)

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
