

Datasheet for ABIN7562846

TCP1 alpha/CCTA Protein (AA 1-556) (His tag)



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Overview

Quantity:	1 mg
Target:	TCP1 alpha/CCTA (TCP1)
Protein Characteristics:	AA 1-556
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TCP1 alpha/CCTA protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Tcp1 Protein expressed in mammalian cells.
Sequence:	<p>MEGPLSVFGD RSTGEAVRSQ NVMAAASIAN IVKSSFPGVPG LDKMLVDDIG DVTITNDGAT</p> <p>ILKLLEVEHP AAKVLCELAD LQDKEVGDT TSVVIAAEL LKNADELVKQ KIHPTSVISG</p> <p>YRLACKEAVR YINENLIINT DELGRDCLIN AAKTSMSSKI IGINGDYFAN MVVDAVLAVK</p> <p>YTDARGQPRY PVNSVNILKA HGRSQIESML INGYALNCVV GSQGMPPKRV NAKIACLDIFS</p> <p>LQKTKMKLGV QVVITDPEKL DQIRQRES DI TKERIQKILA TGANVILTTG GIDDMYLYKF</p> <p>VEAGAMAVRR VLKRD LKHVA KASGASILST LANLEGEETF EVTMLGQAEE VVQERICDDE</p> <p>LILIKNTKAR TSASIILRGA NDFMCDEMER SLHDALCVVK RVLELKSVPV GGGAVEAALS</p> <p>IYLENYATSM GSREQLAIAE FARSLVIPN TLAVNAAQDS TDLVAKLRAF HNEAQVNPER</p> <p>KNLKWIGLDL VH GKPRDNKQ AGVF EPTIVK VKSLKFATEA AITILRIDDL IKLHPESKDD</p> <p>KHGSYENAVH SGALDD Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make</p>

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:

TCP1 alpha/CCTA (TCP1)

Alternative Name:

Tcp1 ([TCP1 Products](#))

Background:

T-complex protein 1 subunit alpha (TCP-1-alpha) (CCT-alpha) (Tailless complex polypeptide 1A) (TCP-1-A) (Tailless complex polypeptide 1B) (TCP-1-B), FUNCTION: Component of the chaperonin-containing T-complex (TRiC), a molecular chaperone complex that assists the folding of proteins upon ATP hydrolysis. The TRiC complex mediates the folding of WRAP53/TCAB1, thereby regulating telomere maintenance. As part of the TRiC complex may play a role in the assembly of BBosome, a complex involved in ciliogenesis regulating transports vesicles to the cilia. The TRiC complex plays a role in the folding of actin and tubulin. {ECO:0000250|UniProtKB:P17987}.

Molecular Weight:

60.4 kDa

UniProt:

[P11983](#)

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.
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Restrictions:	For Research Use only
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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