

Datasheet for ABIN7544302

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



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Overview

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|-------------------------------|--|
| Quantity: | 1 mg |
| Target: | TCP1 alpha/CCTA (TCP1) |
| Protein Characteristics: | AA 1-556 |
| Origin: | Human |
| 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

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|-----------|--|
| Purpose: | Custom-made recombinat TCP1 Protein expressed in mammalian cells. |
| Sequence: | <p>MEGPLSVFGD RSTGETIRSQ NVMAAASIAN IVKSSLGPVG LDKMLVDDIG DVTITNDGAT</p> <p>ILKLLEVEHP AAKVLCELAD LQDKEVGDT TSVVIAAEL LKNADELVKQ KIHPTSVISG</p> <p>YRLACKEAVR YINENLIVNT DELGRDCLIN AAKTSMSSKI IGINGDFFAN MVVDAVLAIK</p> <p>YTDIRGQPRY PVNSVNILKA HGRSQMESML ISGYALNCVV GSQGMPKRIV NAKIACLDIFS</p> <p>LQKTKMKLGV QVVITDPEKL DQIRQRES DI TKERIQKILA TGANVILTTG GIDDMCLKYF</p> <p>VEAGAMAVRR VLKRD LKRIA KASGATILST LANLEGEETF EAAMLGQAEE VVQERICDDE</p> <p>LILIKNTKAR TSASIILRGA NDFMCDEMER SLHDALCVVK RVLESKSVVP GGGAVEAALS</p> <p>IYLENYATSM GSREQLIAIE FARSLVIPN TLAVNAAQDS TDLVAKLRAF HNEAQVNPER</p> <p>KNLKWIGLDL SNGKPRDNKQ AGVFPEPTIVK VKSLKFATEA AITILRIDDL IKLHPESKDD</p> <p>KHGSYEDAVH SGALND 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),FUNCTION: Component of the chaperonin-containing T-complex (TRiC), a molecular chaperone complex that assists the folding of proteins upon ATP hydrolysis (PubMed:25467444). The TRiC complex mediates the folding of WRAP53/TCAB1, thereby regulating telomere maintenance (PubMed:25467444). As part of the TRiC complex may play a role in the assembly of BBSome, a complex involved in ciliogenesis regulating transports vesicles to the cilia (PubMed:20080638). The TRiC complex plays a role in the folding of actin and tubulin (Probable). {ECO:0000269|PubMed:20080638, ECO:0000269|PubMed:25467444, ECO:0000305}.

Molecular Weight:

60.3 kDa

UniProt:

[P17987](#)

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.

Restrictions: For Research Use only

Handling

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|------------------|--|
| 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 |