

Datasheet for ABIN7563864

Cortactin Protein (CTTN) (AA 1-546) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Cortactin (CTTN)
Protein Characteristics:	AA 1-546
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cortactin protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Cctn Protein expressed in mammalian cells.
Sequence:	<p>MWKASAGHAV SITQDDGGAD DWETDPDFVN DVSEKEQRWG AKTVQGSGHQ EHINIHKLRE NVFQEHQTLK EKELETGPKA SHGYGGKFGV EQDRMDRSV GHEYQSKLSK HCSQVDSVRG FGGKFGVQMD RVDQSAVGFE YQGKTEKHA S QKDYSSGFGG KYGVQADRVD KSAVGFDYQG KTEKHESQKD YSKGFGGKYG IDKDKVDKSA VGFYQ GKTE KHESQKDYVK GFGGKFGVQT DRQDKCALGW DHQEKQLLHE SQKDYKTGFG GKFGVQSERQ DSSAVGFDYK ERLAKHESQQ DYAKGFGGKY GVQKDRMDKN ASTFEEVVQV PSAYQKTVP I EAVTSKTSNI RANFENLAKE REQEDRRKAE AERAQRMAKE RQEQQEARRK LEEQARAKKQ TPPASPSQP IEDRPPSSPI YEDAAPFAE PSYRGSEPEP EYSIEAAGIP EAGSQGLTY TSEPVYETTE APGHYQAEDD TYDGYESDLG ITAIALYDYQ AAGDDEISFD PDDIITNIEM IDDGWWRGVC KGRYGLFPAN YVELRQ</p> <p>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>

Product Details

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: Cortactin (CTTN)

Alternative Name: Ctnn ([CTTN Products](#))

Background: Src substrate cortactin,FUNCTION: Contributes to the organization of the actin cytoskeleton and cell shape (PubMed:17403031). Plays a role in the formation of lamellipodia and in cell migration (By similarity). Plays a role in the regulation of neuron morphology, axon growth and formation of neuronal growth cones (By similarity). Through its interaction with CTTNBP2, involved in the regulation of neuronal spine density (PubMed:22262902). Plays a role in focal adhesion assembly and turnover (By similarity). In complex with ABL1 and MYLK regulates cortical actin-based cytoskeletal rearrangement critical to sphingosine 1-phosphate (S1P)-mediated endothelial cell (EC) barrier enhancement (By similarity). Plays a role in intracellular protein transport and endocytosis, and in modulating the levels of potassium channels present at the cell membrane (PubMed:17959782). Plays a role in receptor-mediated endocytosis via clathrin-coated pits (By similarity). Required for stabilization of KCNH1 channels at the cell

Target Details

membrane (By similarity). {ECO:0000250|UniProtKB:Q14247, ECO:0000250|UniProtKB:Q66HL2, ECO:0000269|PubMed:17403031, ECO:0000269|PubMed:17959782, ECO:0000269|PubMed:22262902}.

Molecular Weight: 61.3 kDa

UniProt: [Q60598](#)

Pathways: [MAPK Signaling](#)

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