

Datasheet for ABIN7553599

CTNND1 Protein (AA 1-968) (His tag)



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Overview

Quantity:	1 mg
Target:	CTNND1
Protein Characteristics:	AA 1-968
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CTNND1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat CTNND1 Protein expressed in mammalian cells.
Sequence:	<p>MDDSEVESTA SILASVKEQE AQFEKLTRAL EEERRHVSAQ LERVRVSPQD ANPLMANGTL</p> <p>TRRHQNGRFV GDADLERQKF SDLKLNGPQD HSHLLYSTIP RMQEPGQIVE TYTEEDPEGA</p> <p>MSVSVETSD DGTTRRTETT VKKVVKTVTT RTVQPVAMGP DGLPVDASSV SNNYIQLTGR</p> <p>DFRKNGNGGP GPYVGQAGTA TLPRNFHYPP DGYSRHYEDG YPGGSDNYGS LSRVTRIEER</p> <p>YRPSMEGYRA PSRQDVYGPQ PQVRVGGSSV DLHRFHPEPY GLEDDQRSMG YDDL DYGMMS</p> <p>DYGTARTGT PSDPRRLRS YEDMIGEEVP SDQYYWAPLA QHERGSLASL DSLRKGGPPP</p> <p>PNWRQPELPE VIAMLGFRD AVKSNAAYL QHLCYRNDKV KTDVRKLKGI PVLVGLLDHP</p> <p>KKEVHLGACG ALKNISFGRD QDNKIAIKNC DGVPALVRL RKARDMDLTE VITGTLWNLS</p> <p>SHDSIKMEIV DHALHALTDE VIIPHSWGER EPNEDCKPRH IEWESVLTNT AGCLRNVSSE</p> <p>RSEARRKLRE CDGLVDALIF IVQAEIGQKD SDSKLVENCV CLLRNLSYQV HREIPQAERY</p> <p>QEAAPNVANN TGPHAASCFG AKKGKDEWFS RGKKPIEDPA NDTVDFPKRT SPARGYELLF</p>

Product Details

QPEVVRIYIS LLKESKTPAI LEASAGAIQN LCAGRWTYGR YIRSALRQEK ALSAIADLLT
NEHERVVKAA SGALRNLAVD ARNKELIGKH AIPNLVKNLP GGQQNSSWNF SEDTVISILN
TINEVIAENL EAAKKLRETQ GIEKLVLINK SGNRSEKEVR AAALVLQTIW GYKELRKPLE
KEGWKKSDFQ VNLNNASRSQ SSHSYDDSTL PLIDRNQKSD KKPDRREEIQM SNMGSTKSL
DNNYSTPNER GDHNRTLDRS GDLGDMEPLK GTTPLMQDEG QESLEEELDV LVLDDDEGGQV
SYPSMQKI **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.**

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:

CTNND1

Alternative Name:

CTNND1 ([CTNND1 Products](#))

Background:

Catenin delta-1 (Cadherin-associated Src substrate) (CAS) (p120 catenin) (p120(ctn)) (p120(cas)),FUNCTION: Key regulator of cell-cell adhesion that associates with and regulates the cell adhesion properties of both C-, E- and N-cadherins, being critical for their surface stability (PubMed:14610055, PubMed:20371349). Beside cell-cell adhesion, regulates gene transcription through several transcription factors including ZBTB33/Kaiso2 and GLIS2, and the

Target Details

activity of Rho family GTPases and downstream cytoskeletal dynamics (PubMed:10207085, PubMed:20371349). Implicated both in cell transformation by SRC and in ligand-induced receptor signaling through the EGF, PDGF, CSF-1 and ERBB2 receptors (PubMed:17344476). {ECO:0000269|PubMed:10207085, ECO:0000269|PubMed:14610055, ECO:0000269|PubMed:17344476, ECO:0000269|PubMed:20371349}.

Molecular Weight: 108.2 kDa

UniProt: [O60716](#)

Pathways: [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Cell-Cell Junction Organization](#), [CXCR4-mediated Signaling Events](#), [Platelet-derived growth Factor Receptor Signaling](#)

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

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