

Datasheet for ABIN7563103
CTNND1 Protein (AA 1-938) (His tag)



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Overview

Quantity:	1 mg
Target:	CTNND1
Protein Characteristics:	AA 1-938
Origin:	Mouse
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 ANSLMANGTL</p> <p>TRRHQNGRFV GDADLERQKF SDLKLNGPQD HNHLLYSTIP RMQEPGQIVE TYTEEDPEGA</p> <p>MSVSVETTD DGTTRRTETT VKKVVKMTMT RTVQPVPMGP DGLPVDASAV SNNYIQT LGR</p> <p>DFRKNGNGGP GPYVGQAGTA TLPRNFHYPP DGYGRHYEDG YPGGSDNYGS LSRVTRIEER</p> <p>YRPSMEGYRA PSRQDVYGPQ PQVRVGGSSV DLHRFHPEPY GLEDDQRSMG YDDL DYGMMS</p> <p>DYGTARTGT PSDPRRLRS YEDMIGEEVP PDQYYWAPLA QHERGSLASL DSLRKGMPPP</p> <p>SNWRQPELPE VIAMLGFRD AVKSNAAYL QHLCYRNDKV KTDVRKLKGI PILVGLLDHP</p> <p>KKEVHLGACG ALKNISFGRD QDNKIAIKNC DGVPALVRL RKARDMDLTE VITGTLWNLS</p> <p>SHDSIKMEIV DHALHALTDE VIIPHS GWER EPNEDCKPRH IEWESVLTNT AGCLRNVSSE</p> <p>RSEARRKLRE CDGLVDALIF IVQAEIGQKD SDSKLVENCV CLLRNLSYQV HREIPQAERY</p> <p>QEALPTVANS TGPHAASCFG AKKGKDEWFS RGKKPTDPA NDTVDFPKRT SPARGYELLF</p>

Product Details

QPEVVRIYIS LLKESKTPAI LEASAGAIQN LCAGRWTYGR YIRSALRQEK ALSAIAELLT
SEHERVVKAA SGALRNLAVD ARNKELIGKH AIPNLVKNLP GGQQNSSWNF SEDTVVSILN
TINEVIAENL EAAKKLRETQ GIEKLVLINK SGNRSEKEVR AAALVLQTIW GYKELRKPLE
KEGWKKSDFQ VNLNNASRSQ SSHSYDDSTL PLIDRNQKSD KKPDRREEIPM SNMGSTKSL
DNNYSTLNER GDHNRTLDRS GDLGDMEPLK GAPLMQKI

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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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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. Beside cell-cell adhesion, regulates gene transcription through several transcription factors including ZBTB33/Kaiso2 and GLIS2, and the activity of Rho family GTPases and

Target Details

	downstream cytoskeletal dynamics. Implicated both in cell transformation by SRC and in ligand-induced receptor signaling through the EGF, PDGF, CSF-1 and ERBB2 receptors. {ECO:0000250, ECO:0000269 PubMed:15138284, ECO:0000269 PubMed:15817151, ECO:0000269 PubMed:17344476}.
Molecular Weight:	104.9 kDa
UniProt:	P30999
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