

Datasheet for ABIN7553575  
**CTNNA2 Protein (AA 1-953) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	CTNNA2
Protein Characteristics:	AA 1-953
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CTNNA2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant CTNNA2 Protein expressed in mammalian cells.
Sequence:	<p>MTSATSPIIL KWDPKSLEIR TLTVERLLEP LVTQVTTLVN TSNKGPSGKK KGRSKKAHVL</p> <p>AASVEQATQN FLEKGEQIAK ESQDLKEELV AAVEDVRKQG ETMRIASSEF ADDPCSSVKR</p> <p>GTMVRAARAL LSAVTRLLIL ADMADVMRLL SHLKIVVEAL EAVKNATNEQ DLANRFKEFG</p> <p>KEMVKLNYVA ARRQQLKDP HCRDEMAAAR GALKKNATML YTASQAFLRH PDVAATRANR</p> <p>DYVFKQVQEA IAGISNAAQA TSPTDEAKGH TGIGELAAAL NEFDNKIILD PMTFSEARFR</p> <p>PSLEERLESI ISGAALMADS SCTRDDRRER IVAECNAVRQ ALQDLLSEYM NNTGRKEKGD</p> <p>PLNIAIDKMT KKTRDLRRQL RKAVMDHISD SFLETNVPLL VLIEAAKSGN EKEVKEYAQV</p> <p>FREHANKLVE VANLACSISN NEEGVKLVRM AATQIDSLCP QVINAALTLA ARPQSKVAQD</p> <p>NMDVFKDQWE KQVRVLTEAV DDITSVDDFL SVSENHILED VNKCVIALQE GDVDTLDRTA</p> <p>GAIRGRAARV IHIINAEMEN YEAGVYTEKV LEATKLLSET VMMPRAEQVE VAIEALSANV</p> <p>PQPFEENEFI DASRLVYDGV RDIRKAVLMI RTPEELEDSD DFEQEDYDVR SRTSVQTEDD</p> <p>QLIAGQSARA IMAQLPQEEK AKIAEQVEIF HQEKSCLDAE VAKWDDSGND IIVLAKQMCM</p>

## Product Details

IMMEMTDFTR GKGPLKNTSD VINAACKIAE AGSRMDKLAR AVADQCPDSA CKQDLLAYLQ  
RIALYCHQLN ICSKVKAEVQ NLGGELIVSG TGVQSTFTTF YEVDCCVIDG GRASQLSTHL  
PTCAEGAPIG SGSSDSSMLD SATSLIQAAC NLMNAAVLTV KASYVASTKY QKVYGTAAVN  
SPVSWKMKKA PEKKPLVKRE KPEEFQTRVR RGSQKKHISP VQALSEFKAM DSF **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.**

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:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <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>

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

## Target Details

Target:	CTNNA2
Alternative Name:	CTNNA2 ( <a href="#">CTNNA2 Products</a> )
Background:	Catenin alpha-2 (Alpha N-catenin) (Alpha-catenin-related protein),FUNCTION: May function as a linker between cadherin adhesion receptors and the cytoskeleton to regulate cell-cell adhesion and differentiation in the nervous system (By similarity). Required for proper regulation of cortical neuronal migration and neurite growth (PubMed:30013181). It acts as a negative

## Target Details

regulator of Arp2/3 complex activity and Arp2/3-mediated actin polymerization (PubMed:30013181). It thereby suppresses excessive actin branching which would impair neurite growth and stability (PubMed:30013181). Regulates morphological plasticity of synapses and cerebellar and hippocampal lamination during development. Functions in the control of startle modulation (By similarity). {ECO:0000250|UniProtKB:Q61301, ECO:0000269|PubMed:30013181}.

Molecular Weight:	105.3 kDa
UniProt:	<a href="#">P26232</a>
Pathways:	<a href="#">Regulation of Muscle Cell Differentiation</a>

## 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