

Datasheet for ABIN7562388  
**CTNND2 Protein (AA 1-1247) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	CTNND2
Protein Characteristics:	AA 1-1247
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CTNND2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Ctnnd2 Protein expressed in mammalian cells.
Sequence:	<pre>MFARKQSGAA PFGAMPVPDQ PPSASEKNSS LSPGLNTSNG DGSETET TSA ILASVKEQEL QFERLTRELE AERQIVASQL ERCKLGSETG SMSSISSAGE QFHWQTQDGG KDIEDELTTG LELV DSCIRS LQESGILDPQ DYSTSERPSL LSQSALQLNS KPEGSFQYPA SYHSNQTAL GDTAPSQLPA RSTQARAAGQ SFSQGT TGRA GHLAGSEPAP P P P P P R E P F A P S L G S A F H L P DAP P A A A A L Y Y S S T L P A P P R G G S P L T T T Q G G S P T K L Q R G S A P E G A A Y A A P R G S S P K Q S P S R L A K S Y S T S S P I N I V S S A G L S P I R V T S P P T V Q S T I S S S P I H Q L S S T I G Y A T L S P T K R L V H A S E Q Y S K H S Q E L Y A T A T L Q R P G S L A A G S R A S Y S S Q H G H L A P E L R A L Q S P E H H I D P I Y E D R V Y Q K P P M R S L S Q S Q G D P L P P A H T G T F R T S T A P S S P G V D S V P L Q R T G S Q H G P Q N A A A A T F Q R A S Y A A G P A S N Y A D P Y R Q L Q Y C A S V D S P Y S K S G P A L P P E G T L A R S P S I D S I Q K D P R E F G W R D P E L P E V I Q M L Q H Q F P S V Q S N A A A Y L Q H L C F G D N K I K A E I R R Q G G I Q L L V D L L D H R M T E V H R S A C G A L R N L V Y G K A N D D N K I A L K N C G G I P A L V R L L R K T T D L E I R E L V T G V L W N L S S C D A L K M P I I Q D A L A V L T N A V I I P H S G W E N S P L Q D D R K I Q L H S S Q V L R N A T G C L R N V S</pre>

## Product Details

---

SAGEEARRRM RECDGLTDAL LYVIQSALGS SEIDSKTVEN CVCILRNLSY RLAETSQGG  
HMGTDDEL DGL LCGETNGKDT ESSGCWGGKKK KKKKSQDQWD GVGPLPDCAE PPKGIQMLWH  
PSIVKPYLTL LSECSNPDTL EGAAGALQNL AAGSWKGWAE DVAGMAYALR SLPEGAPCLP  
QWSVYIRAAV RKEKGLPILV ELLRIDNDRV VCAVATALRN MALDVRNDEL IGKYAMRDLV  
HRLPGGNNNS NSGSKAMSDD TVTAVCCTLH EVITKNMENA KALRDAGGIE KLVGISKSKG  
DKHSPKVVKA ASQVLNSMWQ YRDLRSLYKK DGWSQYHFVA SSSTIERDRQ RPYSSSRTPS  
ISPVRVSPNN RSASAPASPR EMISLKERKT DYESAGNNAT YHGTGGEHTS RKDTMTAQT  
GVSTLYRNSY GAPAEDIKQN QVSTQVPVQE PSRKDYETYQ PFPNSTRNYD ESFFEDQVHH  
RPPASEYTMH LGLKSTGNYV DFYSAARPYS ELNYETSHYP ASPDSWV **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: 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: CTNND2

---

## Target Details

---

Alternative Name: Ctnnd2 ([CTNND2 Products](#))

---

Background: Catenin delta-2 (Neural plakophilin-related ARM-repeat protein) (NPRAP) (Neurojungin),FUNCTION: Has a critical role in neuronal development, particularly in the formation and/or maintenance of dendritic spines and synapses (PubMed:17993462) (PubMed:25807484). Involved in the regulation of canonical Wnt signaling (By similarity). It probably acts on beta-catenin turnover, facilitating beta-catenin interaction with GSK3B, phosphorylation, ubiquitination and degradation (PubMed:20623542). May be involved in neuronal cell adhesion and tissue morphogenesis and integrity by regulating adhesion molecules. Functions as a transcriptional activator when bound to ZBTB33 (PubMed:15282317). {ECO:0000250|UniProtKB:Q9UQB3, ECO:0000269|PubMed:15282317, ECO:0000269|PubMed:17993462, ECO:0000269|PubMed:20623542, ECO:0000269|PubMed:25807484, ECO:0000269|PubMed:9971746}.

---

Molecular Weight: 135.0 kDa

---

UniProt: [O35927](#)

---

## 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

---