

Datasheet for ABIN7563912
CTNNA2 Protein (AA 1-953) (His tag)



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Overview

| | |
|-------------------------------|---|
| Quantity: | 1 mg |
| Target: | CTNNA2 |
| Protein Characteristics: | AA 1-953 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This CTNNA2 protein is labelled with His tag. |
| Application: | Western Blotting (WB), SDS-PAGE (SDS) |

Product Details

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| Purpose: | Custom-made recombinat 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 ADMADVMRL SHLKIVVEAL EAVKNATNEQ DLANRFKEFG</p> <p>KEMVKLNYVA ARRQQLKDP HCRDEMAAAR GALKKNATML YTASQAFLRH PDVAATRANR</p> <p>DYVFKQVQEA IAGISSAAQA TSPTDEAKGH TGIGELAAAL NEFDNKIILD PMTFSEARFR</p> <p>PSLEERLESI ISGAALMADS SCTRDDRER 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 VNKCIVALQE GDVDTLDRTA</p> <p>GAIRGRAARV IHIINAEMEN YEAGVYTEKV LEATKLLSET VMPRFAEQVE VAIEALSANV</p> <p>PQPFEENEFI DASRLVYDGV RDIRKAVLMI RTPEELED DSDFEQEDYDVR SRTSVQTEDD</p> |

QLIAGQSARA IMAQLPQEEK AKIAEQVEIF HQEKSCLDAE VAKWDDSGND IIVLAKQMCM
IMMEMTDFTR GKGPLKNTSD VINAACKIAE AGSRMDKLAR AVADQCPDSA CKQDLLAYLQ
RIALYCHQLN ICSKVKAEVQ NLGGELIVSG TGVQSTFTTF YEVDCCVIDG GRASQLSTHL
PTCAEGAPIG SGSSDSSMLD SATSLIQAAL NLMAVVLTV KASYVASTKY QKVYGTAAVN
SPVVSWMKA 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.

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| 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

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|-------------------|---|
| Target: | CTNNA2 |
| Alternative Name: | Ctnna2 (CTNNA2 Products) |
| Background: | Catenin alpha-2 (Alpha N-catenin),FUNCTION: May function as a linker between cadherin adhesion receptors and the cytoskeleton to regulate cell-cell adhesion and differentiation in the nervous system (PubMed:12123610, PubMed:15034585). Required for proper regulation of cortical neuronal migration and neurite growth. It acts as a negative regulator of Arp2/3 complex activity and Arp2/3-mediated actin polymerization. It thereby suppresses excessive |

Target Details

actin branching which would impair neurite growth and stability (By similarity). Regulates morphological plasticity of synapses and cerebellar and hippocampal lamination during development. Functions in the control of startle modulation (PubMed:12089526). {ECO:0000250|UniProtKB:P26232, ECO:0000269|PubMed:12089526, ECO:0000269|PubMed:12123610, ECO:0000269|PubMed:15034585}.

Molecular Weight: 105.3 kDa

UniProt: [Q61301](#)

Pathways: [Regulation of Muscle Cell Differentiation](#)

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