

## Product datasheet for TP307170L

### N Cadherin (CDH2) (NM\_001792) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human cadherin 2, type 1, N-cadherin (neuronal) (CDH2), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207170 protein sequence Red=Cloning site Green=Tags(s)

MCRIAGALRTLLPLLAALLQASVEASGEIALCKTGFPEDVYSAVLSKDVHEGQPLLNVKFSNCNGKRKVQ  
YESSEPADFKVDEDEGMVYAVRSFPLSSEHAKFLIYAQDKETQEKWQVAVKLSLKPTLTEESVKESAEEVEE  
IVFPRQFSKHSGHLQRQKRDWVISPINLPENSRGPFQELVRIRSDRDKNLSLRYSVTGPGADQPPTGIF  
IINPISGQLSVTKPLDREQIARFHLRAHAVDINGNQVENPIDIVINVIDMNDNRPEFLHQVWNGTVPEGS  
KPGTYVMTVTAIDADDPNALNGMLRYRIVSQAPSTSPSPNMFTINNETGDIITVAAGLDREKVQYQYTLIIQ  
ATDMEGNPTYGLSNTATAVITVTDVNDNPPEFTAMTFYGEVPENRVDIIVANLTVTDKDKQPHTPAWNAVY  
RISGGDPTGRFAIQTDQNSNDGLVTVVKPIDFEANRMFVLTVAEENQVPLAKGIQHPPQSTATMSVTVID  
VNENPYFAPNPKIIRQEEGLHAGTMLTTFTAQDPDRYMQQNIRYTKLSDPANWLKIDPVNGQITTIIVLD  
RESPNVKNNIYNATFLASDNGIPPMSGTGTLQIYLLDINDNAPQVLPQEAETCETPDPNISINITALDYGI  
DPNAGPFAFDLPLSPVTIKRNWTITRLNGDFAQLNLKIKFLEAGIYEVPIIITDSGNPPKSNISILRVKV  
CQCDSNGDCTDVRIVGAGLGTGAIHAILLCIIILLVLMFVWWMKRRDKERQAKQLLIDPEDDVRDNI  
LKYDEEGGGEEDQDYDLSQLQPDVPEPDAIKPVGIRRMDERPIHAEPQYVRSAAHPGDDIGDFINEGL  
KAADNDPTAPPYDSSLVFDYEGSGSTAGLSLSSSSSGGEQDYDYLNWDWGPRFKKLADMYGGGDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	97.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_001783](#)

**Locus ID:** 1000

**UniProt ID:** [P19022](#), [A0A024RC42](#)

**RefSeq Size:** 4380

**Cytogenetics:** 18q12.1

**RefSeq ORF:** 2718

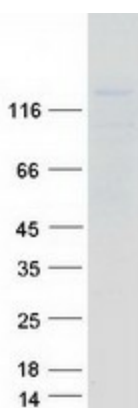
**Synonyms:** ACOGS; ARVD14; CD325; CDHN; CDw325; NCAD

**Summary:** This gene encodes a classical cadherin and member of the cadherin superfamily. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein is proteolytically processed to generate a calcium-dependent cell adhesion molecule and glycoprotein. This protein plays a role in the establishment of left-right asymmetry, development of the nervous system and the formation of cartilage and bone. [provided by RefSeq, Nov 2015]

**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

**Protein Pathways:** Arrhythmogenic right ventricular cardiomyopathy (ARVC), Cell adhesion molecules (CAMs)

### Product images:



Coomassie blue staining of purified CDH2 protein (Cat# [TP307170]). The protein was produced from HEK293T cells transfected with CDH2 cDNA clone (Cat# [RC207170]) using MegaTran 2.0 (Cat# [TT210002]).