

Product datasheet for TP307170

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), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207170 protein sequence Red =Cloning site Green =Tags(s)

MCRIAGALRTLLPLLAALLQASVEASGEIALCKTGFPEDVYSAVLSKDVHEGQPLLNVKFSNCNGKRVQ
 YESSEPADFKVDEDEGMVYAVRSFPLSSEHAKFLIYAQDKETQEKWQVAVKLSLKPTLTEESVKESAEEVEE
 IVFPRQFSKHSGLQRQKRDWVISPINLPENSRGPFQELVRIRSDRDKNLSLRYSVTGPADQPPTGIF
 IINPISGQLSVTKPLDREQIARFHLRAHAVDINGNQVENPIDIVINVIDMNDNRPEFLHQVWNGTVPEGS
 KPGTYVMTVTAIDADDPNALNGMLRYRIVSQAPSTPSPNMFTINNETGDIITVAAGLDREKVQQYTLIIQ
 ATDMEGNPTYGLSNTATAVITVTDVNDNPPEFTAMTFYGEVPENRVDIIVANLTVTDKQPHTPAWNNAVY
 RISGGDPTGRFAIQTDQNSNDGLVTVVKPIDFEANRMFVLTVAAENQVPLAKGIQHPPQSTATMSVTVID
 VNENPYFAPNPKIIRQEEGLHAGTMLTTFTAQDPDRYMQQNIRYTKLSDPANWLKIDPVNGQITIAVLD
 RESPNVKNNIYNATFLASDNGIPPMSGTGTLQIYLLDINDNAPQVLPQEAETCETPDPSINITALDYGI
 DPNAGPFAFDLPLSPVTIKRNWTITRLNGDFAQLNLKIKFLEAGIYEVPIIITDSGNPPKSNISILRVKV
 CQCDSNGDCTDVIDRIVGAGLGTGAIAILLCIIIIILLVLMFVWVMKRRDKERQAKQLLIDPEDDVRDNI
 LKYDEEGGGEEDQDYDLSQLQPDTVEPDAIKPVGIRRMDERPIHAEPQYPVRSAAHPGIDIGDFINEGL
 KAADNDPTAPPYDSSLVFDYEGSGSTAGSLSSLNSSSSGGEQDYDYLDNDWGPRFKKLADMYGGGDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

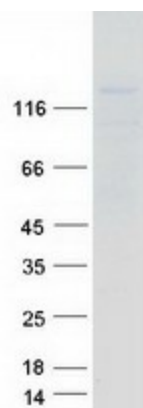
Tag:	C-Myc/DDK
Predicted MW:	97.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity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