

Product datasheet for PH307170

N Cadherin (CDH2) (NM_001792) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CDH2 MS Standard C13 and N15-labeled recombinant protein (NP_001783)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207170
Predicted MW:	99.8 kDa
Protein Sequence:	>RC207170 protein sequence Red=Cloning site Green=Tags(s)

MCR IAGALR TLLPLLAALLQASVEASGEIALCKTGFPEDVYSAVLSKDVHEGQPLLNVKFSNCNGKRKVVQ
YESSEPADFKVDEDEGMVYAVRSFPLSSEHAKFLIYAQDKETQEKWQVAVKLSLKPTLTEESVKESAEVEE
IVFPRQFSKHSGLQRQKRDWVISPINLPENSRGPFQELVIRISDRDKNLSLRYSVTGPADQPPTGIF
IINPISGQLSVTKPLDREQIARFHLRAHAVDINGNQVENPIDIVINVIDMNDNRPEFLHQVWNGTVEGS
KPGTYVMTVTAIDADDPNALNGMLRYRIVSQAPSTSPNMFTINNETGDIITVAAGLDREKVQYTLIIQ
ATDMEGNPTYGLSNTATAVITVTDVNDNPPEFTAMTFYGEVPENRVDIIIVANLTVTDKDPHTPAWNAVY
RISGGDPTGRFAIQTDQNSNDGLTVVVKPIDFEANRMFVLTVAENQVPLAKGIQHPPQSTATMSVTVID
VNENPYFAPNPKIIRQEEGLHAGTMLTTFTAQDPDRYMQNIRYTKLSDPANWLKIDPVNGQITTIIVLD
RESPNVKNNIYNATFLASDNGIPPMSGTGLQIYLLDINDNAPQVLPQEAETCETPDPNSINITALDYGI
DPNAGPF AFDLPLSPVTIKRNWTITRLNGDFAQLNLKIKFLEAGIYEVPIIITDSGNPPKSNISILRVKY
CQCDSNGDCTDVRIVGAGLGTGAI IAILLCIIILLILVLMFVVMKRRDKERQAKQLLIDPEDDVRDNI
LKYDEEGGGEEDQDYDLSQLQQPDTVEPDAIKPVGIRRMDEPIHAEPQYVRSAAHPGDI GDFINEGL
KAANDNPTAPPYD SLLVFDYEGSGSTAGSLSSLNSSSSSGGEQDYDYLNDWGRPFKKLADMYGGGDD

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



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RefSeq:	NP_001783
RefSeq Size:	4380
RefSeq ORF:	2718
Synonyms:	ACOGS; ARVD14; CD325; CDHN; CDw325; NCAD
Locus ID:	1000
UniProt ID:	P19022 , A0A024RC42
Cytogenetics:	18q12.1

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]).