

Recombinant Full Length Human CDH2 Protein, C-Flag-tagged

Cat. No. CDH2-877HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CDH2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	97.2 kDa
AA Sequence	MCRIAGALRTLLPLLAALLQASVEASGEIALCKTGFPEDVYSAVLISKDVHEGQPLLNV KFSNCNGKRKVQ YESSEPADFKVDEDGMVYAVRSFPLSSEHAKFLIYAQDKETQEK WQVAVKLSLKPTLTEESVKESAEVEE IVFPRQFSKHSGLHQRQKRDWVISPINLPEN SRGPFQPQLVRIRSDRDKNLSLRYSVTGPGADQPPTGIF IINPISGQLSVTKPLDREQ IARFHLRAHAVDINGNQVENPIDIVINVIDMNDNRPEFLHQVWNGTVPEGS KPGTYV MTVTAIDADDPNALNGMLRYRIVSQAPSTPSPNMFTINNETGDIITVAAGLDREKVQQ YTLIIQ ATDMEGNPTYGLSNTATAVITVTDVNDNPPEFTAMTFYGEVPENRVDIIVAN

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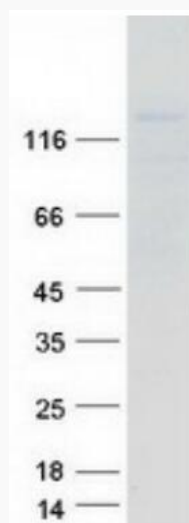
 45-1 Ramsey Road, Shirley, NY 11967, USA

LTVTDKQDPHTPAWNAVY RISGGDPTGRFAIQTDQNSNDGLVTVVKPIDFEANRMF
 VLTVAENQVPLAKGIQHPPQSTATMSVTVID VNENPYFAPNPKIIRQEGLHAGTM
 LTTFTAQDPDRYMQQNIRYTKLSDPANWLKIDPVNGQITTIIVLD RESPNVKNNIYNA
 TFLASDNGIPPMSTGTGLQIYLLDINDNAPQVLPQEAETCETPDPSINITALDYGI DP
 NAGPFAFDLPLSPVTIKRNWTITRLNGDFAQLNLKIKFLEAGIYEVPIITDSGNPPKSNI
 SILRVKV CQCDSNGDCTDVDRIVGAGLGTGAIIAILLCIIILLILVLMFVWWMKRRDKER
 QAKQLLIDPEDDVRDNI LKYDEEGGGGEEDQDYDLSQLQQPDTVEPDAIKPVGIRRM
 DERPIHAEPQYPVRSAPHPGDIGDFINEGL KAADNDPTAPPYDSLLVFDYEGSGST
 AGSLSSLNSSSSGGEQDYDYLDNDWGPRFKKLADMYGGGDDTRTRPLEQKLISEED
 LAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
Protein Pathways	Arrhythmogenic right ventricular cardiomyopathy (ARVC), Cell adhesion molecules (CAMs)
Full Length	Full L.

GENE INFORMATION

Gene Name	CDH2 cadherin 2 [Homo sapiens (human)]
Official Symbol	CDH2
Synonyms	CDHN; NCAD; ACOGS; ADHD8; CD325; ARVD14; CDw325
Gene ID	1000
mRNA Refseq	NM_001792.5
Protein Refseq	NP_001783.2
MIM	114020
UniProt ID	P19022



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Coomassie blue staining of purified CDH2 protein.

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