

HuPro®

CDH2 (Human) Recombinant Protein

Catalog # H00001000-H02

Size 25 ug

Specification

Product Description	Purified CDH2 (ACE87575.1 160 a.a. - 724 a.a.) human recombinant protein with His-Flag-StrepII tag at N-terminus expressed in human cells.
Transfected Cell Line	Human HEK293H cells
Sequence	DWVISPINLPENSRGPFQELVRIRSDRDKNLSLRYSVTGPGADQPPTGFIINPISGQLSVTKPLDR EQIARFHLRAHAVDINGNQVENPIDVINVIDMNDNRPEFLHQVWNGTVPEGSKPGTYVMTVTAIDA DDPNALNGMLRYRIVSQAPSTSPNMFTINNETGDIITVAAGLDREKVQQYTLIQATDMEGNPTYGL SNTATAVITVTDVNDNPPEFTAMTFYGEVPENRVDIVANLTVTDKQPHTPAWNNAVYRISGGDPT GRFAIQTDQNSNDGLVTVVKPIDFEANRMFVLTVAAENQVPLAKGIQHPPQSTATMSVTVIDVNEN PYFAPNPKIIRQEEGLHAGTMLTTFTAQDPDRYMQQNIRYTKLSDPANWLKIDPVNGQITTIIVLDRE SPNVKNNIYNATFLASDNGIPMSGTGTLMQLLDINDNAPQVLPQEATCETPDPNNSINITALDYGID PNAGPFAFDLPLSPVTIKRNWTITRLNGDFAQLNLKIKFLEAGYEVPIITDSGNPPKSNISILRVKVC QCDSNGDCTDVDRMGAGLGTGA
Host	Human
Theoretical MW (kDa)	67.31999999999999
Interspecies Antigen Sequence	Mouse (98)
Form	Liquid
Preparation Method	Transfection of pSuper-CDH2 plasmid into HEK293H cell, and the expressed protein was purified by <i>Strep</i> -Tactin affinity column.
Purification	<i>Strep</i> -Tactin affinity columns
Concentration	≥ 10 ug/ml
Storage Buffer	100 mM Tris-HCl pH 8.0, 150 mM NaCl, 1 mM EDTA, and 5 mM desthiobiotin.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay
- SDS-PAGE
- Protein Interaction

Gene Info — CDH2

Entrez GeneID [1000](#)

GeneBank Accession# [EU832318.1](#)

Protein Accession# [ACE87575.1](#)

Gene Name CDH2

Gene Alias CD325, CDHN, CDw325, NCAD

Gene Description cadherin 2, type 1, N-cadherin (neuronal)

Omim ID [114020](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a trans membrane region and a highly conserved cytoplasmic tail. The protein functions during gastrulation and is required for establishment of left-right asymmetry. At certain central nervous system synapses, presynaptic to postsynaptic adhesion is mediated at least in part by this gene product. [provided by RefSeq]

Other Designations N-cadherin 1|cadherin 2, N-cadherin (neuronal)|cadherin 2, type 1|calcium-dependent adhesion protein, neuronal|neural cadherin

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Cell adhesion molecules \(CAMs\)](#)

Disease

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Laryngeal Neoplasms](#)
- [Mouth Neoplasms](#)
- [Pharyngeal Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Tooth Abnormalities](#)