

Recombinant Human Cadherin 2, Type 1, N-cadherin (Neuronal)

Cat. No. CDH2-87H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Cadherin-N protein 741-907 a.a. expressed in <i>E.coli</i> , 43 kDa.
Species	Human
Source	<i>E.coli</i>
Protein Length	741-907 a.a.
Description	Cadherins comprise a family of Ca ²⁺ dependent adhesion molecules that function to mediate cell-cell binding critical to the maintenance of tissue structure and morphogenesis. The classical cadherins, E-, N- and P-cadherin, consist of large extracellular domains characterized by a series of five homologous NH ₂ terminal repeats. The most distal of these cadherins is thought to be responsible for binding specificity, transmembrane domains and carboxy terminal intracellular domains.
Presentation	Recombinant Human Cadherin-N protein at 100µg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.
Characterization	On SDS-PAGE commassie blue stained gel, the purified recombinant protein shows a band at 43 kDa.
Applications	•ELISA •Inhibition Assays •Western Blotting
Storage	Store vial at -20°C to -80°C. When stored at the recommended temperature, this

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protein is stable for 12 months.

GENE INFORMATION

Gene Name	CDH2 cadherin 2, type 1, N-cadherin (neuronal) [Homo sapiens]
Synonyms	CDH2; cadherin 2, type 1, N-cadherin (neuronal); CDHN; NCAD; CD325; CDw325; cadherin 2, type 1; N-cadherin 1; neural cadherin; cadherin 2, N-cadherin (neuronal); calcium-dependent adhesion protein, neuronal; 5` partial; N-cadherin; Cadherin-2;CD325 antigen
Gene ID	1000
mRNA Refseq	NM_001792
Protein Refseq	NP_001783
MIM	114020
UniProt ID	P19022
Chromosome Location	18q12.1
Pathway	Arrhythmogenic right ventricular cardiomyopathy (ARVC); Cell adhesion molecules (CAMs); Cell-cell adhesion systems
Function	RPTP-like protein binding; beta-catenin binding; calcium ion binding; protein kinase binding; protein phosphatase binding

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PDB rendering based
on 1ncg.

