

Recombinant Human CDH2

Cat. No. CDH2-28769TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment (amino acids 807-906) of Human N Cadherin with proprietary 26 kDa tag; 100 amino acids (Predicted MW 10.80 kDa), 36.63 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	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 transmembrane 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.
Molecular Weight	36.630kDa inclusive of tags
Biological activity	useful for Antibody Production and Protein Array
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.31% GlutathioneNote: Glutathione is reduced

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	RRMDERPIHAEPQYPVRSAAHPHPGDIGDFINEGLKAADNDPTAPPYDSLLVFDYEGS GSTAGSLSSLNSSSSSGGEQDYDYLNWDWGPRFKKLADMYGGGDD
Sequence Similarities	Contains 5 cadherin domains.
GENE INFORMATION	
Gene Name	CDH2 cadherin 2, type 1, N-cadherin (neuronal) [Homo sapiens]
Official Symbol	CDH2
Synonyms	CDH2; cadherin 2, type 1, N-cadherin (neuronal); NCAD; cadherin-2; CD325; CDHN; N cadherin;
Gene ID	1000
mRNA Refseq	NM_001792
Protein Refseq	NP_001783
MIM	114020
Uniprot ID	P19022
Chromosome Location	18q12.1
Pathway	Adherens junctions interactions, organism-specific biosystem; Arrhythmogenic right

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ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; CDO in myogenesis, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem;

Function

RPTP-like protein binding; alpha-catenin binding; beta-catenin binding; calcium ion binding; gamma-catenin binding;

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