

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	<p>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.</p>
Molecular Weight	36.630kDa inclusive of tags
Biological activity	useful for Antibody Production and Protein Array
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.79% Tris HCl, 0.31% Glutathione Note: 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	RRMDERPIHAEPQYPVRSAAAPHPGDIGDFINEGLKAADNDPTAPPYDSELLVFDYEGS GSTAGSLSSLNSSSSGGEQDYDYLNDWGPRFKKLADMYGGGDD
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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