

Recombinant Human CDH8

Cat. No. CDH8-26742TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment (amino acids 522-621) of Human Cadherin 8 with proprietary tag at the N terminal; Predicted MW 36.63 kDa, inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	<p>This gene encodes a type II classical cadherin from the cadherin superfamily, integral membrane proteins that mediate calcium-dependent cell-cell adhesion. Mature cadherin proteins are composed of a large N-terminal extracellular domain, a single membrane-spanning domain, and a small, highly conserved C-terminal cytoplasmic domain. The extracellular domain consists of 5 subdomains, each containing a cadherin motif, and appears to determine the specificity of the proteins homophilic cell adhesion activity. Type II (atypical) cadherins are defined based on their lack of a HAV cell adhesion recognition sequence specific to type I cadherins. This particular cadherin is expressed in brain and is putatively involved in synaptic adhesion, axon outgrowth and guidance.</p>
Molecular Weight	36.630kDa inclusive of tags
Tissue specificity	Mainly expressed in brain. Found in certain nerve cell lines, such as retinoblasts, glioma cells and neuroblasts.

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Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	KDDPKNGHYFLYSLPEMVNPNFTIKKNEDNSLSILAKHNGFNQRQKQEVYLLPIIISD SGNPPLSSTSTLTIRVCGCSNDGVVQSCNVEAYVLPIGLSM
Sequence Similarities	Contains 5 cadherin domains.

GENE INFORMATION

Gene Name	CDH8 cadherin 8, type 2 [Homo sapiens]
Official Symbol	CDH8
Synonyms	CDH8; cadherin 8, type 2; cadherin-8;
Gene ID	1006
mRNA Refseq	NM_001796
Protein Refseq	NP_001787
MIM	603008
Uniprot ID	P55286

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Chromosome Location	16q22.1
Pathway	Adherens junctions interactions, organism-specific biosystem; Cell junction organization, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; Cell-cell junction organization, organism-specific biosystem;
Function	calcium ion binding;

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