

Recombinant Human CDH4 Protein, GST-Tagged

Cat. No. CDH4-0990H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CDH4 partial ORF (NP_001785, 635 a.a. - 734 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. Based on studies in chicken and mouse, this cadherin is thought to play an important role during brain segmentation and neuronal outgrowth. In addition, a role in kidney and muscle development is indicated. Of particular interest are studies showing stable cis-heterodimers of cadherins 2 and 4 in cotransfected cell lines. Previously thought to interact in an exclusively homophilic manner, this is the first evidence of cadherin heterodimerization. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]
Molecular Mass	36.74 kDa
AA Sequence	AADADVDPNIGPYVFELPFVPAAVRKNWTITRLNGDYAQLSLRILYLEAGMYDVPIIVT DSGNPPLSNTSIIKVKVCPCDDNGDCTTIGAVAAAGLGTGA
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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Antibody Production
Protein Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name CDH4 cadherin 4, type 1, R-cadherin (retinal) [Homo sapiens]

Official Symbol CDH4

Synonyms CDH4; cadherin 4, type 1, R-cadherin (retinal); cadherin-4; R Cadherin; R-CAD; R-cadherin; retinal cadherin; cadherin 4, type 1, preproprotein; CAD4; RCAD; FLJ22202; FLJ40547; MGC126700; MGC138355;

Gene ID 1002

mRNA Refseq NM_001252338

Protein Refseq NP_001239267

MIM 603006

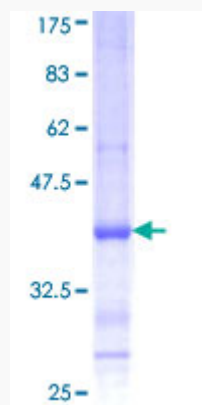
UniProt ID P55283

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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