

Recombinant Human CDH7 Protein, His-tagged

Cat. No. CDH7-721H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDH7 Protein (Trp49-Phe262) with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Trp49-Phe262
Description	This gene encodes a type II classical cadherin of the cadherin superfamily. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature glycoprotein. This calcium dependent cell-cell adhesion molecule is comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Type II (atypical) cadherins are defined based on their lack of a histidine-alanine-valine (HAV) cell adhesion recognition sequence specific to type I cadherins. Cadherins mediate cell-cell binding in a homophilic manner, contributing to the sorting of heterogeneous cell types. Mutations in this gene may be associated with bipolar disease in human patients. This gene is present in a gene cluster on chromosome 18.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.3 kDa; Accurate Molecular Mass: 32 kDa

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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	CDH7 cadherin 7, type 2 [Homo sapiens (human)]
Official Symbol	CDH7
Synonyms	CDH7; cadherin 7, type 2; cadherin-7; CDH7L1;
Gene ID	1005
mRNA Refseq	NM_004361
Protein Refseq	NP_004352
MIM	605806

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UniProt ID

Q9ULB5

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