

Recombinant Human CDH5 protein, His & T7-tagged

Cat. No. CDH5-6862H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDH5 aa. (Gly69~Gly391 (Accession # P33151)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gly69~Gly391
Description	This gene encodes a classical cadherin of the cadherin superfamily. The encoded preproprotein 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. Functioning as a classical cadherin by imparting to cells the ability to adhere in a homophilic manner, this protein plays a role in endothelial adherens junction assembly and maintenance. This gene is located in a gene cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 40.0kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>90%
Characteristic	The isoelectric point is 4.9.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	CDH5 cadherin 5 [Homo sapiens (human)]
Official Symbol	CDH5
Synonyms	7B4; CD144; 7B4 antigen; VE-cadherin; cadherin 5, type 2 (vascular endothelium); cadherin 5, type 2, VE-cadherin (vascular epithelium); cd144 antigen; endothelial-specific cadherin; vascular endothelial cadherin; cadherin-5
Gene ID	1003

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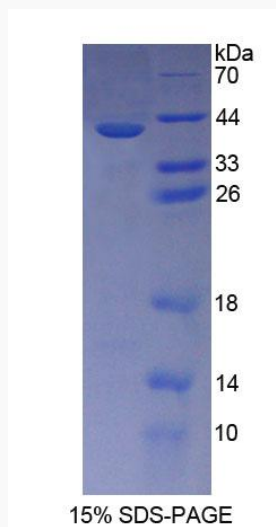
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mRNA Refseq NM_001795.4

Protein Refseq NP_001786.2

UniProt ID P33151

SDS-PAGE



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