

Recombinant Human CDH5 Protein, GST-Tagged

Cat. No. CDH5-0991H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CDH5 partial ORF (NP_001786, 51 a.a. - 150 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Nov 2015]
Molecular Mass	36.74 kDa
AA Sequence	WNQMHIDEEEKNTSLPHHVGKIKSSVSRKNAKYLLKGEYVGKVFRVDAETGDVFAIER LDRENISEYHLTAIVVDKDTGENLETPSSFTIKVHDVNDNWPV
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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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

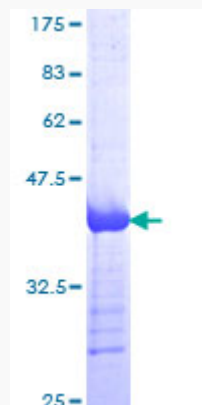
Gene Name	CDH5 cadherin 5, type 2 (vascular endothelium) [Homo sapiens]
Official Symbol	CDH5
Synonyms	CDH5; cadherin 5, type 2 (vascular endothelium); cadherin 5, type 2, VE cadherin (vascular epithelium); cadherin-5; 7B4; CD144; VE cadherin; 7B4 antigen; VE-cadherin; cd144 antigen; endothelial-specific cadherin; vascular endothelial cadherin; cadherin 5, type 2, VE-cadherin (vascular epithelium); FLJ17376;
Gene ID	1003
mRNA Refseq	NM_001795
Protein Refseq	NP_001786
MIM	601120
UniProt ID	P33151

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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