

Recombinant Human CDH5 Protein, hlgG&His tagged

Cat. No. CDH5-13H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CDH5, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
ProteinLength	29-599 aa
Description	CDH5, as known as cadherin-5, is a member of the atypical/type 2 subgroup of Cadherin homophilic adhesion proteins. This protein plays a role in the formation, maturation and remodeling of the vascular wall. It is widely considered to be specific for vascular endothelia in which it is either the sole or the predominant cadherin, often co-existing with N-cadherin. Also, this protein regulates or is regulated by VEGF R2, type 1 and type 2 TGF-beta receptors, and other endothelial junction proteins such as JAM-C, Claudin-5, and N-Cadherin.
Form	Liquid in Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol
Molecular Mass	91.5 kDa (810aa)
AASequence	NPAQRDTHSLLPTHRRQKRDWIWNQMHI DEEKN TSLPHHV G K I K S S V S R K N A K Y L L KGEYVGKVFRVDAETGDVFAIERLDRENISEYHLTAVIVDKDTGENLETPSSFTIKVH DVNDNWPVFTHRLFNASVPESAVGTSVISVTAVDADDPTVGDHASVMYQILKGKE YFAIDNSGRIITITKSLDREKQARYEIVVEARDAQGLRGDSGTATVLVTLQDINDNFPF

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FTQTKYTFVVPEDTRVGTSVGSLFVEDPDEPQNRMTKYSILRGDYQDAFTIETNPAH
 NEGIKPMKPLDYEYIQQYSFIVEATDPTIDLRYSPPAGNRAQVIINITDVDEPPIFQQ
 PFYHFQLKENQKKPLIGTVLAMDPDAARHSIGYSIRRTSDKGQFFRVTKKGDIYNEKE
 LDREVYPWYNLTVEAKELDSTGTPTGKESIVQVHIEVLDENDNAPEFAKPYQPKVCE
 NAVHGQLVLQISAIKDKITPRNVKFKFILNTENNFTLTDNHDNTANITVKYGQFDREHT
 KVHFLPVVISDNGMPSRTGTSTLTVAVCKCNEQGFTFCEDMAAQVGVSIG

Endotoxin	< 1 EU/μg of protein (determined by LAL method)
Purity	> 90% by SDS-PAGE
Applications	SDS-PAGE
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/mL (determined by absorbance at 280nm)

GENE INFORMATION

Gene Name	CDH5 cadherin 5, type 2 (vascular endothelium) [Homo sapiens (human)]
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;

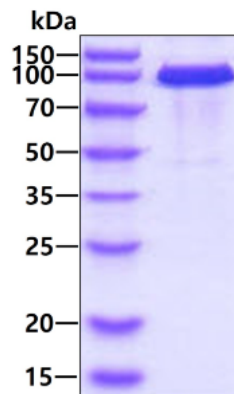
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Gene ID	1003
mRNA Refseq	NM_001795
Protein Refseq	NP_001786
MIM	601120
UniProt ID	P33151

SDS-PAGE and WB



3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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