

VE-Cadherin Protein, Human (HEK293, C-His-Fc)

Cat. No.:	HY-P73560A
Synonyms:	Cadherin-5; VE-cadherin; CD144; CDH5
Species:	Human
Source:	HEK293
Accession:	NP_001786.2 (A26-Q593)
Gene ID:	1003
Molecular Weight:	Approximately 125 kDa

PROPERTIES

AA Sequence

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A G A N P A Q R D T   H S L L P T H R R Q   K R D W I W N Q M H   I D E E K N T S L P
H H V G K I K S S V   S R K N A K Y L L K   G E Y V G K V F R V   D A E T G D V F A I
E R L D R E N I S E   Y H L T A V I V D K   D T G E N L E T P S   S F T I K V H D V N
D N W P V F T H R L   F N A S V P E S S A   V G T S V I S V T A   V D A D D P T V G D
H A S V M Y Q I L K   G K E Y F A I D N S   G R I I T I T K S L   D R E K Q A R Y E I
V V E A R D A Q G L   R G D S G T A T V L   V T L Q D I N D N F   P F F T Q T K Y T F
V V P E D T R V G T   S V G S L F V E D P   D E P Q N R M T K Y   S I L R G D Y Q D A
F T I E T N P A H N   E G I I K P M K P L   D Y E Y I Q Q Y S F   I V E A T D P T I D
L R Y M S P P A G N   R A Q V I I N I T D   V D E P P I F Q Q P   F Y H F Q L K E N Q
K K P L I G T V L A   M D P D A A R H S I   G Y S I R R T S D K   G Q F F R V T K K G
D I Y N E K E L D R   E V Y P W Y N L T V   E A K E L D S T G T   P T G K E S I V Q V
H I E V L D E N D N   A P E F A K P Y Q P   K V C E N A V H G Q   L V L Q I S A I D K
D I T P R N V K F K   F I L N T E N N F T   L T D N H D N T A N   I T V K Y G Q F D R
E H T K V H F L P V   V I S D N G M P S R   T G T S T L T V A V   C K C N E Q G E F T
F C E D M A A Q
  
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Biological Activity Measured by the ability of the immobilized protein to support the adhesion of HUVEC cells. The ED₅₀ for this effect is 59.22 ng/ml, corresponding to a specific activity is 1.689×10⁴ units/mg.

Appearance Lyophilized powder.

Formulation Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Endotoxin Level <1 EU/μg, determined by LAL method.

Reconstitution It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH₂O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

Storage & Stability Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping

Room temperature in continental US; may vary elsewhere.

Caution: Product has not been fully validated for medical applications. For research use only.

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