

Cadherin-1/CD324 Protein, Human (HEK293, C-His)

Cat. No.:	HY-P7697A
Synonyms:	rHuCadherin-1/CD324, His; Cadherin-1; CDH1; CAM 120/80; E-cadherin; CD324
Species:	Human
Source:	HEK293
Accession:	P12830 (D155-I707)
Gene ID:	999
Molecular Weight:	Approximately 75.59 kDa

PROPERTIES

AA Sequence	<pre> DWV I P P I S C P E N E K G P F P K N L V Q I K S N K D K E G K V F Y S I T G Q G A D T P P V G V F I I E R E T G W L K V T E P L D R E R I A T Y T L F S H A V S S N G N A V E D P M E I L I T V T D Q N D N K P E F T Q E V F K G S V M E G A L P G T S V M E V T A T D A D D D V N T Y N A A I A Y T I L S Q D P E L P D K N M F T I N R N T G V I S V V T T G L D R E S F P T Y T L V V Q A A D L Q G E G L S T T A T A V I T V T D T N D N P P I F N P T T Y K G Q V P E N E A N V V I T T L K V T D A D A P N T P A W E A V Y T I L N D D G G Q F V V T T N P V N N D G I L K T A K G L D F E A K Q Q Y I L H V A V T N V V P F E V S L T T S T A T V T V D V L D V N E A P I F V P P E K R V E V S E D F G V G Q E I T S Y T A Q E P D T F M E Q K I T Y R I W R D T A N W L E I N P D T G A I S T R A E L D R E D F E H V K N S T Y T A L I I A T D N G S P V A T G T G T L L L I L S D V N D N A P I P E P R T I F F C E R N P K P Q V I N I I D A D L P P N T S P F T A E L T H G A S A N W T I Q Y N D P T Q E S I I L K P K M A L E V G D Y K I N L K L M D N Q N K D Q V T T L E V S V C D C E G A A G V C R K A Q P V E A G L Q I H H H H H H </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 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 ddH ₂ O. 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 (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

Cadherin-1/CD324/E-cadherin/CAM 120/80 is localized on the surfaces of epithelial cells in regions of cell-cell contact known as adherens junctions. As a member of a large family of genes coding for calcium-dependent cell adhesion molecules (CAMs), the cadherin glycoproteins are expressed by a variety of tissues, mediating adhesion through homotypic binding. Classical cadherins-E- and N-cadherins being the best characterized-play important roles in the formation of tissues during gastrulation, neurulation and organogenesis^[1].

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

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