

Recombinant Human CDH1 Protein, His-tagged

Cat. No. CDH1-214H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated (In vitro) Recombinant Human Cadherin-1 is produced by Human 293 Cells. The target gene encoding Q23-A709 is expressed with an 8His tag at the C terminus.
Species	Human
Source	HEK293
ProteinLength	23-709 a.a.
Description	E-Cadherin is a calcium-dependent cell adhesion glycoprotein that belongs to the cadherin family. E-Cadherin is expressed in non-neural epithelial tissues. It tends to interact with each other in a homophilic manner in connecting cells. E-Cadherin clusters are critical components of adherent junctions between epithelial cells and act in the formation and maintenance of the epithelial cell barrier. E-Cadherin is involved in mechanisms regulating cell-cell adhesions, mobility and proliferation of epithelial cells and has a potent invasive suppressor role. E-Cadherin loss contributes to cancer metastasis. The extracellular E-Cadherin N-terminal domain can be cleaved by several proteases and is released as a soluble factor that enhances cancer cell motility and EGFR-dependent survival and proliferation.
Form	Lyophilized from a 0.2 um filtered solution of PBS, pH7.2.
Molecular Mass	Predicted Molecular Weight: 79.6kDa Apparent Molecular Weight: Biotinylated Cadherin-1 appeared between 66.2-116kDa

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	in a reducing SDS-PAGE gel.
AA Sequence	Q23-A709
Endotoxin	Less than 0.1 EU/ug.
Purity	>95%
Storage	Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days. Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Quality Statement	Purity: greater than 95% as determined by reducing SDS-PAGE
Shipping	The product is shipped on dry ice pack. Upon receipt, store it immediately at the temperature listed below.

GENE INFORMATION

Gene Name	CDH1 cadherin 1 [Homo sapiens (human)]
Official Symbol	CDH1
Synonyms	Cadherin-1; CAM120/80; E-cadherin; CD324; UVO; CDHE; ECAD; LCAM; Arc-1; BCDS1

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Gene ID	999
mRNA Refseq	NM_001317184.2
Protein Refseq	NP_001304113.1
MIM	192090
UniProt ID	P12830

SDS-PAGE
