

## Recombinant Human CDH1 Protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	23-709 a.a.
<b>Description</b>	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.
<b>Form</b>	Lyophilized from a 0.2 um filtered solution of PBS, pH7.2.
<b>Molecular Mass</b>	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.
<b>AA Sequence</b>	Q23-A709
<b>Endotoxin</b>	Less than 0.1 EU/ug.
<b>Purity</b>	>95%
<b>Storage</b>	<p>Lyophilized protein should be stored at &lt; -20 centigrade, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days. Aliquots of reconstituted samples are stable at &lt; -20 centigrade for 3 months.</p> <p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p>
<b>Reconstitution</b>	<p>It is not recommended to reconstitute to a concentration less than 100µg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
<b>Quality Statement</b>	Purity: greater than 95% as determined by reducing SDS-PAGE
<b>Shipping</b>	<p>The product is shipped on dry ice pack.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>

## GENE INFORMATION

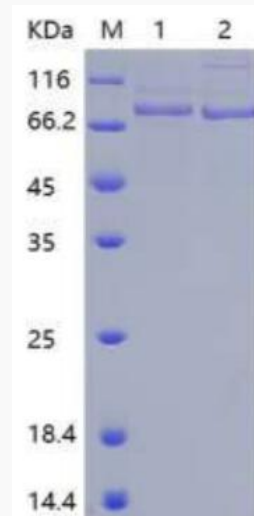
<b>Gene Name</b>	CDH1 cadherin 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	CDH1
<b>Synonyms</b>	Cadherin-1; CAM120/80; E-cadherin; CD324; UVO; CDHE; ECAD; LCAM; Arc-1; BCDS1

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<b>Gene ID</b>	999
<b>mRNA Refseq</b>	NM_001317184.2
<b>Protein Refseq</b>	NP_001304113.1
<b>MIM</b>	192090
<b>UniProt ID</b>	P12830

**SDS-PAGE**

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