

Active Recombinant Human CDH1 Protein, His-tagged

Cat. No. CDH1-689H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CDH1 Protein(NP_004351.1) (Met 1-Ile 707) was expressed in HEK293, fused with a C-terminal polyhistidine tag.
Species	Human
Source	HEK293
ProteinLength	1-707 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of MCF-7 human breast adenocarcinoma cells. When cells are added to E-Cad coated plates (5 µg/mL, 100 µL/well), approximately 20%-40% of cells will adhere specifically after 90 minutes at 37 °C.
Molecular Mass	The recombinant pro form of human E-Cad consists of 696 amino acids and has a calculated molecular mass of 77 kDa. As a result of glycosylation, the apparent molecular mass of rh E-Cad is approximately 80&95 kDa corresponding to the mature form and pro form respectively in SDS-PAGE under reducing conditions.
Endotoxin	< 1 EU/g as determined by LAL test.
Purity	> 95 % as determined by SDS-PAGE

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Storage Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name CDH1 cadherin 1, type 1, E-cadherin (epithelial) [Homo sapiens]

Official Symbol CDH1

Synonyms CDH1; cadherin 1, type 1, E-cadherin (epithelial); UVO; cadherin-1; CD324; E Cadherin; uvomorulin; CAM 120/80; E-Cadherin; cell-CAM 120/80; epithelial cadherin; cadherin 1, E-cadherin (epithelial); calcium-dependent adhesion protein, epithelial; CDHE; ECAD; LCAM; Arc-1;

Gene ID 999

mRNA Refseq NM_004360

Protein Refseq NP_004351

MIM 192090

UniProt ID P12830

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