

Active Recombinant Human CDH1 protein, His-tagged

Cat. No. CDH1-690H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CDH1 protein(NP_004351.1)(Asp155-Ala709) is expressed from HEK293 with His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	155-709 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	1.Measured by its binding ability in a functional ELISA. Immobilized Human CDH1 at 1 µg/mL (100 µL/well) can bind Human CTNNB1 with a linear range of 62.50-218.35 ng/mL. 2.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), > 28.35% will adhere specifically after 90 minutes at 37°C.
Molecular Mass	61.36 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the

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date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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](#)

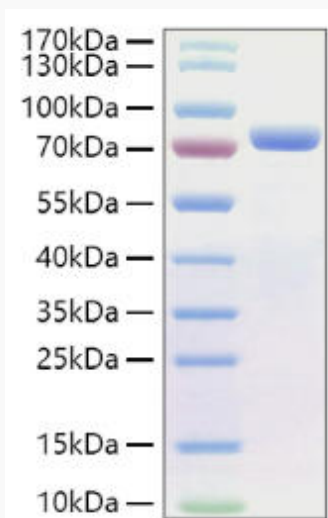
UniProt ID [P12830](#)

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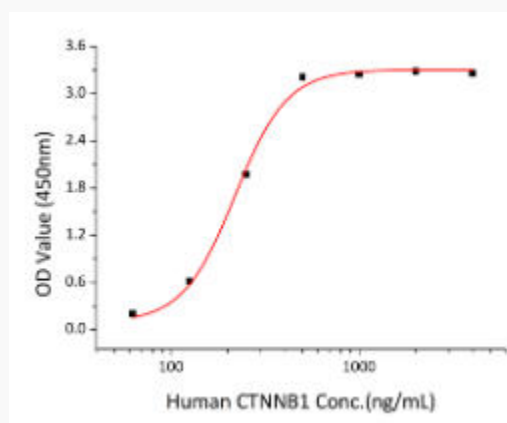
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SDS-PAGE



ELISA Data



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