

Active Recombinant Human CDH1 protein, His-tagged

Cat. No. CDH1-207H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CDH1 protein(P12830)(155~707 aa), fused with N-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	155-707 aa
Form	Lyophilized from sterile PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Bio-activity	E-Cadherin, also known as Uvomorulin in the mouse and rat, is a 120 kDa member of the Cadherin family of cell surface glycoproteins that mediate cell adhesion. Human E-Cadherin shares 81% amino acid sequence identity with the rat and mouse proteins. It is a single-pass transmembrane protein that mediates calcium-dependent epithelial cell adhesion. As E-cadherin has the function of cell adhesion, we measure the activity of recombinant human E-cadherin by the ability of the immobilized protein to support the adhesion of MCF7 human breast cancer cells. When 5×10^4 cells/well are added to different concentrations of recombinant human E-cadherin coated plates, cells will adhere after 2 hour incubation at 37°C. The adhesion of MCF7 after 2 hour incubation at 37°C observed by inverted microscope was shown. Cell adherent was in a dose dependent manner, the result was shown, the EC50 was 0.19 ug/ml.
Molecular Mass	62.0kDa

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Endotoxin	<1.0EU per 1µg (determined by the LAL method).
Purity	> 95% as determined by SDS-PAGE.
Storage	Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

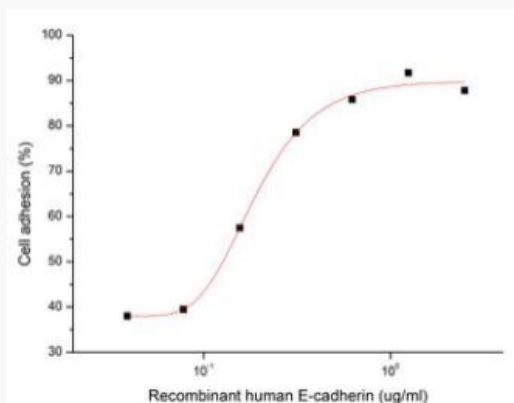
Gene Name	CDH1 cadherin 1, type 1, E-cadherin (epithelial) [Homo sapiens]
Official Symbol	CDH1
Synonyms	CDH1; cadherin 1, type 1, E-cadherin (epithelial); UVO; cadherin-1; CD324; E Cadherin; uvomorulin; CAM 120/80; E-Cadherin; cell-CAM 120/80; epithelial cadherin; cadherin 1, E-cadherin (epithelial); 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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Activity



SDS-PAGE

