

Active Recombinant Human CDH1 Protein, Fc Chimera

Cat. No. CDH1-548H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDH1 (Accession # NP_004351), fused with , was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
Predicted N Terminal	Asp155
Form	Lyophilized from a 0.2 µ filtered solution in Tris-Citrate, NaCl and CaCl ₂ .
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of the MCF-7 human breast cancer cells. When 5 x 10 ⁴ cells/well are added to Recombinant Human E-Cadherin Fc Chimera coated plates (1.5 µg/mL with 100 µL/well), >60% cells will adhere after 90 minutes at 37 °C. Optimal concentration depends on cell type as well as the application or research objectives.
Molecular Mass	Recombinant Human CDH1, Fc Chimera has a calculated MW of 87.7 kDa (monomer). In SDS-PAGE migrates as 120 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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Reconstitution Reconstitute at 100 g/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

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

Chromosome Location 16q22.1

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