

## Recombinant Human CDH1 Protein, Fc-tagged

**Cat. No.** CDH1-208H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human CDH1 protein with Fc tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	647
<b>Description</b>	<p>This gene encodes a classical cadherin of the cadherin superfamily. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature glycoprotein. This calcium-dependent cell-cell adhesion protein is comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Mutations in this gene are correlated with gastric, breast, colorectal, thyroid and ovarian cancer. Loss of function of this gene is thought to contribute to cancer progression by increasing proliferation, invasion, and/or metastasis. The ectodomain of this protein mediates bacterial adhesion to mammalian cells and the cytoplasmic domain is required for internalization. This gene is present in a gene cluster with other members of the cadherin family on chromosome 16.</p>
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	92.4 kDa
<b>AA Sequence</b>	MGPWSRSL SALLLLLQVSSWLCQEPEPCHPGFDAESYFTVPRRHLEGRVLRV

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

NFEDCTGRQRTAYFSLDTRFKVGTGCVITVKRPLRFHNPQIHFLVYAWDSTYRKFST  
 KVTLNTVGHHRPPPHQASVSGIQAELLTFPNSSPGLRRQKRDWVIPPISCPENEKG  
 PFPKNLVQIKSNKDKEGKVFYSITGQGADTPPVGVFIIERETGWLKVTEPLDRERIAT  
 YTLFSHAVSSNGNAVEDPMEILITVTDQNDNKPEFTQEVFKGSMEGALPGTSMVE  
 VTATDADDDVNTYNAAIAYTILSQDPELPDKNMFTINRNTGVISVTTGLDRESFPAY  
 TLVVQAADLQGEGLSTTATAVITVTDNDNPPIFNPTTYKGQVPENEANVVITTLKVT  
 DADAPNTPAWEAVYITLNDGGQFVVTNPNVNDGILKTAKGLDFEAKQQYILHVAV  
 TNVVPFEVSLTTSTATVTVDVLDVNEAPIFVPEKRVSEDFGVGQEITSYTAQEPD  
 TFMEQKITYRIWRDTANWLEINPDTGAISTRAELDREDFEHVKNSTYALIIATDNGSP  
 VATGTGTLILLSDVNDNAPIPEPRTIFFCERNPKPQVINIIDADLPPILASQSIGITDMS  
 HCTCPAPQLPAIF

**Purity** > 98%

**Applications** WB; ELISA; FACS; FC

**Stability** This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

**Storage** At -20 centigrade.

**Concentration** 1 mg/mL

**Storage Buffer** PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

**Reconstitution** Reconstitute in sterile distilled H<sub>2</sub>O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

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**GENE INFORMATION**

<b>Gene Name</b>	CDH1 cadherin 1, type 1, E-cadherin (epithelial) [ Homo sapiens (human) ]
<b>Official Symbol</b>	CDH1
<b>Synonyms</b>	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;
<b>Gene ID</b>	999
<b>mRNA Refseq</b>	NM_004360
<b>Protein Refseq</b>	NP_004351
<b>MIM</b>	192090
<b>UniProt ID</b>	P12830

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