

Recombinant Human CDH1 Protein, Fc-tagged

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

SPECIFICATION

Product Overview	Recombinant human CDH1 protein with Fc tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	647
Description	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.
Form	Lyophilized
Molecular Mass	92.4 kDa
AA Sequence	MGPWSRSLSALLLLLQVSSWLCQEPEPCHPGFDAESYFTVPRRHLEGRVLRV

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NFEDCTGRQRTAYFSLDTRFKVGTGCVITVKRPLRFHNPQIHFLVYAWDSTYRKFST
 KVTLNTVGHHRPPPHQASVSGIQAELLTFPNSSPGLRRQKRDWWIPPISCPENEKG
 PFPKNLVQIKSNKDKEGKVFYSITGQGADTPPVGVFIERETGWLKVTEPLDRERIAT
 YTLFSHAVSSNGNAVEDPMEILITVTDQNDNKPEFTQEVFKGSMEGALPGTSVME
 VTATDADDDVNTYNAAIAYTILSQDPELPDKNMFTINRNTGVISVTTGLDRESFPAY
 TLVVQAADLQGEGLSTTATAVITVTDNDNPPIFNPTTYKGQVPENEANVVITTLKVT
 DADAPNTPAWEAVYTILNDDGGQFVVTNPNVNDGILKTAKGLDFEAKQQYILHVAV
 TNVVPFEVSLTTSTATVTVDVLDVNEAPIFVPPEKRVEVSEDFGVGQEITSYTAQEPD
 TFMEQKITYRIWRDTANWLEINPDTGAISTRAELDREDFEHVKNSTYTALIIATDNGSP
 VATGTGTLILLSDVNDNAPIPEPRTIFFCERNPKPQVINIIDADLPILASQSIGITDMS
 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 H₂O 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

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