

Recombinant Full Length Human CDH1 Protein, GST-tagged

Cat. No. CDH1-3135HF Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Human CDH1 full-length ORF (ENSP00000261769, 1 a.a. - 882 a.a.) recombinant protein with GST-tag at N-terminal. |
| Species | Human |
| Source | In Vitro Cell Free System |
| ProteinLength | 882 amino acids |
| Description | <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. [provided by RefSeq, Nov 2015]</p> |
| Molecular Mass | 123.9 kDa |
| AA Sequence | MGPWSRSLSALLLLLQVSSWLCQEPEPCHPGFDAESYFTVPRRHLEGRVLRV NFEDCTGRQRTAYFSLDTRFKVGTGDIVTKRPLRFHNPQIHFLVYAWDSTYRKFST |

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KVTLNTVGHHRPPPHQASVSGIQAELLTFPNSSPGLRRQKRDWVIPPISCPENEKG
 PFPKNLVQIKSNKDKGKGVFYSITGQGADTPPVGVFIIERETGWLKVTEPLDRERIAT
 YTLFSHAVSSNGNAVEDPMEILITVTDQNDNKPEFTQEVEFKGSVMEGALPGTSMVE
 VTATDADDDVNTYNAAIYTILSQDPELPDKNMFTINRNTGVISVTTGLDRESFPTY
 TLVVQAADLQGEGLSTTATAVITVTDNDNPPIFNPTTYKQVPENEANVVITTLKVT
 DADAPNTPAWEAVYTILNDDGGQFVVTNPNVNDGILKTAKGLDFEAKQQYILHVAV
 TNVVPFEVSLTTSTATVTVDVLDVNEAPIFVPPEKRVEVSEDFGVGQEITSYTAQEPD
 TFMEQKITYRIWRDTANWLEINPDTGAISTRAELDREDFEHVKNSTYALIIATDNGSP
 VATGTGTLILLSDVNDNAPIPEPRTIFFCERNPKPQVINIIDADLPPNTSPFTAELTHG
 ASANWTIQYNDPTQESIILKPKMALEVGDYKINLKLMDNQNKDQVTTLEVSVCDCEG
 AAGVCRKAQPVEAGLQIPAILGILGGILALLILLLLLLFLRRRAVVKEPLLPPEDDTRDN
 VYYYDEEGGGEDQDFDLSQLHRGLDARPEVTRNDVAPTLMSVPRYLPRPANPDEI
 GNFIDENLKAADTDPTAPPYDSSLVFDYEGSGSEAASLSSLNSSESDDKQDYDYLNE
 WGNRFKKLADMYGGGEDD

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION
Gene Name

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

Official Symbol

CDH1

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| 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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