

Recombinant Full Length Human CDH1 Protein, GST-tagged

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

SPECIFICATION

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	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]
Molecular Mass	123.9 kDa
AA Sequence	MGPWSRSLSALLLLLQVSSWLCQEPEPCHPGFDAESYFTVPRRHLEGRVLRV NFEDCTGRQRTAYFSLDTRFKVGTGDIVTKRPLRFHNPQIHFLVYAWDSTYRKFS

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KVTLNTVGHHRPPPHQASVSGIQAELLTFPNSSPGLRRQKRDWVIPISPENEGK
 PFPKNLVQIKSNKDKEGKVFYSITGQGADTPPVGVFIERETGWLKVTEPLDRERIAT
 YTLFSHAVSSNGNAVEDPMEILITVTDQNDNKPEFTQEVFKGSVMEGALPGTSVME
 VTATDADDDVNTYNAAIAYTILSQDPELPDKNMFTINRNTGVISVTTGLDRESFPTY
 TLVVQAADLQGEGLSTTATAVITVTDNDNPPIFNPTTYKGQVPENEANVVITTLKVT
 DADAPNTPAWEAVYTILNDDGGQFVVTNPNVNDGILKTAKGLDFEAKQQYILHVAV
 TNVVPFEVSLTTSTATVTVDVLDVNEAPIFVPPEKRVEVSEDFGVGQEITSYTAQEPD
 TFMEQKITYRIWRDTANWLEINPDTGAISTRAELDREDFEHVKNSTYALIIATDNGSP
 VATGTGTLILLSDVNDNAPIPEPRTIFFCERNPKPQVINIIDADLPPNTSPFTAELTHG
 ASANWTIQYNDPTQESIILKPKMALEVGDYKINLKLMDNQNKDQVTTLEVSVCDCEG
 AAGVCRKAQPVEAGLQIPAILGILGGILALLILLLLLLFLRRRAVVKEPLLPPEDDTRDN
 VYYYDEEGGGGEDQDFDLSQLHRGLDARPEVTRNDVAPTLMSVPRYLPRPANPDEI
 GNFIDENLKAADTDPTAPPYDSLIVFDYEGSGSEAASLSSLNSESDDKDQDYDYLNE
 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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