

Recombinant Human CDH1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CDH1-6277H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CDH1 MS Standard C13 and N15-labeled recombinant protein (NP_004351) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.</p>
Molecular Mass	97.46 kDa
AA Sequence	MGPWSRSL SALLLLLQVSSWLCQEPEPCHPGFDAESYFTVPRRH LERGRVLGRV NFEDCTGRQRTAYFSLDTRFKVGTGDGVITVKRPLRFHNPQIHFLVYAWDSTYRKFST

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

KVTLN TVGHHRPPPHQASVSGIQAE LLTFPNSSPGLRRQKR DWVIPPISCPENEKG
 PFPKNLVQIKSNKDK EKGKVFYSITGQGADTPPVGVFIIERETGWLKVTEPLDRERIAT
 YTLFSHAVSSNGNAVEDPMEILITVTDQNDNKPEFTQE VFKGSVMEGALPGTSMVE
 VTATDADDDVNTYNAAIY TILSQDPELPDKNMFTINRNTGVISVVT TGLDRESFPTY
 TLVVQAADLQGEGLSTTATAVITVTD TNDNPPIFNPTTYK GQVPENEANVVITTLKVT
 DADAPNTPAWEAVY TILNDDGGQFVVTNPNVNDGILKTAKGLDFEAKQQYILHVAV
 TNVVPFEVSLTTSTATVTVDVLDVNEAPIFVPPEKRVEVSEDFGVGQEITSYTAQEPD
 TFMEQKITYRIWRDTANWLEINPDTGAISTRAELDREDFEHVKNSTY TALIATDNGSP
 VATGTGTL LLLSDVNDNAPIPEPRTIFFCERNPKPQVINIIDADLPPNTSPFTAELTHG
 ASANWTIQYNDPTQESI LKPKMALEVGDYKINLKLMDNQNKDQVTTLEVSVCDCGEG
 AAGVCRKAQPVEAGLQIPAILGILGGILALLIL LLLLLLFLRRRAVVKEPLLPPEDDTRDN
 VYYYDEEGGG EEDQDFDLSQLHRGLDARPEVTRNDVAP TLMSPRYLPRPANPDEI
 GNFIDENLKAADTDPTAPPYD SLLVFDYEGSGSEAASLSSLNSSES DKDQDYDYLNE
 WGNRFKKLADMYGGGEDDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CDH1 cadherin 1 [Homo sapiens (human)]

Official Symbol CDH1

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

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

SDS-PAGE


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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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