

CDH1 (Human) Recombinant Protein

Catalog # P9365

Size 2 x 10 ug

Specification

Product Description Human CDH1 partial recombinant protein with His tag in C-terminus expressed in *Escherichia coli*.

Sequence EPEPCHPGFDAESYFTVPRRHLEGRVLGRVNFEDCTGRQRTAYFSLDTRFKVGTGDIVTKRP
LRFHNPIQHFLVYAWDSTYRKFSKVTLNTVGHHRPPPHQASVSGIQAELLTFPNSSPGLRRQKR
DWVIPPISCPENEKGPFKLVQIKSNKDEKGVFYSITGQGADTPVGVFIIERETGWLKVTEPLD
RERIATYTLFSAVSSNGNAVEDPMEILITVTDQNDNKPEFTQEVFKGSVMEGALPGTSVMEVTAT
DADDDVNTYNAAIYTLISQDPELPDKNMF TINRTGVISVVTGLDRESFPTYTLVVQAADLQGEG
LSTTATAVITVTDNDNPPIFNPTTYKGQVPENANVVITLKVTDADAPNTPAWEAVYILNDDGG
QFVVTTNPVNNDGILKTAKGLDFEAKQQYILHAVTNVVPFEVSLTTSTATVTVDVLDVNEAPIFVP
PEKRVEVSEDFGVGQEITSYTAQEPDTFMEQKITYRWRDTANWLEINPDTGAISTRAELDREDFE
HVKNSTYALIIATDNGSPVATGTGTLILLSDVNDNAPIPEPTIFFCERNPKPQVINIIDADLPNTS
PFTAELTHGASANWTIQYNDPTQESIILKPKMALEVGDYKINLKLMDNQNKDQVTTLEVSVCDCG
AAGVCRKAQPVEAGLQIPALEHHHHHH

Host Viruses

Theoretical MW (kDa) 76.59999999999999

Form Liquid

Preparation Method *Escherichia coli* expression system

Purification chromatographic

Purity > 90% as determined by SDS-PAGE.

Storage Buffer Solution (0.5 mg/mL) containing 1X PBS, pH 7.4, 10% glycerol.

Storage Instruction Store at 4°C for one weeks and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
Avoid repeated freeze/thaw cycles.

Applications

- SDS-PAGE

Gene Info — CDH1

Entrez GeneID	999
Protein Accession#	P12830
Gene Name	CDH1
Gene Alias	Arc-1, CD324, CDHE, ECAD, LCAM, UVO
Gene Description	cadherin 1, type 1, E-cadherin (epithelial)
Omim ID	137215 192090
Gene Ontology	Hyperlink
Gene Summary	This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a trans membrane region and a highly conserved cytoplasmic tail. Mutations in this gene are correlated with gastric, breast, colorectal, thyroid and ovarian cancer. Loss of function is thought to contribute to progression in cancer 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. Identified transcript variants arise from mutation at consensus splice sites. [provided by RefSeq]
Other Designations	cadherin 1, E-cadherin (epithelial) cadherin 1, type 1 calcium-dependent adhesion protein, epithelial cell-CAM 120/80 uvomorulin

Pathway

- [Adherens junction](#)
- [Bladder cancer](#)
- [Cell adhesion molecules \(CAMs\)](#)
- [Endometrial cancer](#)
- [Melanoma](#)
- [Pathogenic Escherichia coli infection - EHEC](#)
- [Pathways in cancer](#)
- [Thyroid cancer](#)

Disease

- [Adenocarcinoma](#)
- [Asthma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Carcinoma](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colitis](#)
- [Colorectal Neoplasms](#)
- [Crohn Disease](#)
- [Disease Progression](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Head and Neck Neoplasms](#)
- [Helicobacter Infections](#)
- [Hepatitis B](#)
- [Infant](#)
- [Kidney Neoplasms](#)
- [Laryngeal Neoplasms](#)
- [Leiomyoma](#)
- [Liver Neoplasms](#)
- [Low Tension Glaucoma](#)

- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mouth Neoplasms](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neoplastic Syndromes](#)
- [Obesity](#)
- [Ocular Hypertension](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Pharyngeal Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Respiratory Syncytial Virus Infections](#)
- [Stomach Neoplasms](#)
- [Tooth Abnormalities](#)
- [Ureteral Neoplasms](#)

- [Urinary Bladder Neoplasms](#)
- [Urinary Calculi](#)
- [Urologic Neoplasms](#)
- [Uterine Neoplasms](#)
- [Werner syndrome](#)