

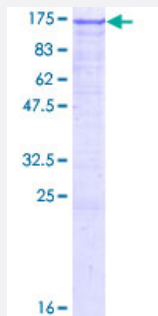
Full-Length

CDH1 (Human) Recombinant Protein (P01)

Catalog # H00000999-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CDH1 full-length ORF (ENSP00000261769, 1 a.a. - 882 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGPWSRSLSALLLLLQVSSWLCQEPEPCHPGFDAESYFTVPRRHLEGRVLGRVNFEDCTGR
QRTAYFSLDTRFKVGTGVTVKRPLRFHNPQIHFLVYAWDSTYRKFKSTKVTLNTVGHHRPPPHQ
ASVSGIAELLTFPNSSPGLRRQKRDWVIPPISCPENEKGFPPKNLVQIKSNKDKEGKVFYSITGQ
GADTPPVGVFIIERETGWLKVTEPLDRERIATYTLFSHAVSSNGNAVEDPMEILITVTDQNDNKPEF
TQEVFKGSVMEGALPGTSVMEVTATDADDDVNTYNAAIAYTILSQDPELPDKNMFTINRNTGVISV
VTTGLDRESFPTYTLVVQAADLQGEGLSTTATAVITVTDNDNPPIFNPTTYKGQVPENEANVVITL
KVTDADAPNTPAWEAVYILNDDGGQFVVTNPNVNDGILKTAKGLDFAKQQYILHVAVTNVVPF
EVSLTTSTATVTVDVLDVNEAPIFVPPEKRVEVSEDFGVGQEITSYTAQEPDTFMEQKITYRMRDT
ANWLEINPDTGAISTRAELDREDFEHVKNSTYALIIATDNGSPVATGTGTLLILSDVNDNAPIPEPR
TIFFCERNPKPQVINIIDADLPNTSPFTAELTHGASANWTIQYNDPTQESIILKPKMALEVGDYKINL
KLMDNQNKDQVTTLVSVCDCEGAAGVCRKAQPV EAGLQIPAILGILGGILALLILLLLLFLRRRA
VVKEPLLPPEDDTRDNVYYYDEEGGGEEDQDFDLSQLHRGLDARPEVTRNDVAPTLMSPRYLP
RPANPDEIGNFIDENLKAADTDPTAPPYDSLLVFDYEGSGSEASLSSLNSESSEKDKQDYDYLNE
WGNRFKKLADMYGGGEDD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

123.9

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — CDH1

Entrez GeneID	999
GeneBank Accession#	ENST00000261769
Protein Accession#	ENSP00000261769
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](#)