

Recombinant Human Cadherin 1, Type 1, E-cadherin (Epithelial)

Cat. No. CDH1-86H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Cadherin-E protein 600-707 a.a. expressed in <i>E.coli</i> , 38 kDa.
Species	Human
Source	<i>E.coli</i>
Protein Length	600-707 a.a.
Description	E-cadherin (uvomorulin, cell-CAM120/80) is a calcium dependent cell adhesion molecule expressed predominately in epithelial tissues. It plays an important role in the growth and development of cells via the mechanisms of control of tissue architecture and the maintenance of tissue integrity. Numerous studies have demonstrated that reduction and/or loss of Ecadherin expression in carcinomas correlates positively with the potential of these tumors for invasion and metastasis.
Sequence	iffcernpkpq viniidadlp pntspftael thgasanwti qyndptqesi ilpkmalev gdykinlklm dnqnkdqvt levsacdceg aagvcrkaqp veaglqi
Presentation	Recombinant Human Cadherin-E protein at 2g/20μl in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.
Characterization	On SDS-PAGE commassie blue stained gel, the purified recombinant protein shows a band at 38 kDa.

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Applications	•ELISA •Inhibition Assays •Western Blotting
Storage	Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months.
GENE INFORMATION	
Gene Name	CDH1 cadherin 1, type 1, E-cadherin (epithelial) [Homo sapiens]
Synonyms	CDH1; cadherin 1, type 1, E-cadherin (epithelial); UVO; CDHE; ECAD; LCAM; Arc-1; CD324; cadherin 1, type 1; uvomorulin; cell-CAM 120/80; cadherin 1, E-cadherin (epithelial); calcium-dependent adhesion protein, epithelial; uvomorulin; Cadherin-1; E-cadherin; CAM 120/80; E-Cad/CTF1; E-Cad/CTF2; E-Cad/CTF3; Uvomorulin; CD324 antigen; Epithelial cadherin
Gene ID	999
mRNA Refseq	NM_004360
Protein Refseq	NP_004351
MIM	192090
UniProt ID	P12830
Chromosome Location	16q22.1
Pathway	Adherens junction; Bladder cancer; Cell adhesion molecules (CAMs); Endometrial cancer; Melanoma; Pathogenic Escherichia coli infection - EHEC; Pathways in cancer; Thyroid cancer; Apoptosis; Cell-cell adhesion systems; Integrin cell surface

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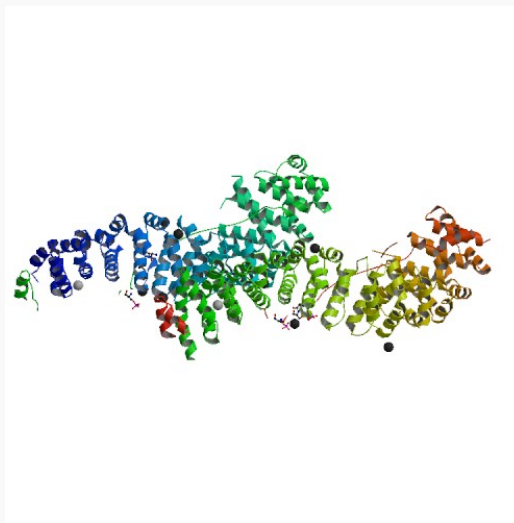
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interactions; Signaling in Immune system

Function

RPTP-like protein binding; beta-catenin binding; calcium ion binding; cell adhesion molecule binding; protein phosphatase binding; transcription activator activity

PDB rendering based on 1i7w.



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