

Datasheet for ABIN7504962

## E-cadherin Protein (AA 155-375) (His tag)



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### Overview

Quantity:	100 µg
Target:	E-cadherin (CDH1)
Protein Characteristics:	AA 155-375
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This E-cadherin protein is labelled with His tag.
Application:	Immunogen (Imm)

### Product Details

Sequence:	Asp155-Phe375
Characteristics:	A DNA sequence encoding the Human CDH1 (P12830-1) (Asp155-Phe375) was expressed with a polyhistidine tag at the N-terminus.
Purity:	> 85 % as determined by reducing SDS-PAGE.

### Target Details

Target:	E-cadherin (CDH1)
Alternative Name:	CDH1 ( <a href="#">CDH1 Products</a> )
Background:	Abbreviation: CDH1 Target Synonym: Arc 1,CADH1,Cadherin 1,cadherin 1 type 1 E-cadherin,Cadherin1,CAM 120/80,CD 324,CD324,CD324 antigen,cdh1,CDHE,E-Cad/CTF3,E-cadherin,ECAD,Epithelial

## Target Details

cadherin,epithelial calcium dependant adhesion protein,LCAM,Liver cell adhesion molecule,UVO,Uvomorulin

Background: 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 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 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.

Molecular Weight: Calculated MW: 23.9 kDa  
Observed MW: 35 kDa

UniProt: [P12830-1](#)

Pathways: [WNT Signaling](#), [Sensory Perception of Sound](#), [Cell-Cell Junction Organization](#), [Tube Formation](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: used as Immunogen for (ABIN6999858, ABIN7234109, ABIN7234110 and ABIN7234111)

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.  
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.  
Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months