

## 37-1093: Human E-Cadherin / CDH1 / E-cad / CD324 Recombinant Protein (His Tag, ECD)(Discontinued)

**Reactivity :** Human

**Alternative Name :** Arc-1 Protein, CD324 Protein, CDH1 Protein, CDHE Protein, E-cad Protein, E-Cadherin Protein, ECAD Protein, LCAM Protein, UVO Protein,

### Description

#### Source : Baculovirus-Insect Cells

Cadherins are calcium-dependent cell adhesion proteins which preferentially interact with themselves in a homophilic manner in connecting cells, and thus may contribute to the sorting of heterogeneous cell type. E-cadherin (E-Cad), also known as CDH1 and CD324, is a calcium-dependent cell adhesion molecule the intact function of which is crucial for the establishment and maintenance of epithelial tissue polarity and structural integrity. Mutations in CDH1 occur in diffuse type gastric cancer, lobular breast cancer, and endometrial cancer. In human cancers, partial or complete loss of E-cadherin expression correlates with malignancy. During apoptosis or with calcium influx, E-Cad is cleaved by the metalloproteinase to produce fragments of about 38 kDa (E-CAD/CTF1), 33 kDa (E-CAD/CTF2) and 29 kDa (E-CAD/CTF3), respectively. E-Cad has been identified as a potent invasive suppressor, as downregulation of E-cadherin expression is involved in dysfunction of the cell-cell adhesion system, and often correlates with strong invasive potential and poor prognosis of human carcinomas.

### Product Info

**Amount :** cad / CD324 Recombinant Protein (His Tag, ECD)(Discontinued) / 100 µg

**Purification :** > 90 % as determined by SDS-PAGE.

**Content :** Formulation Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 7.4.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

**Storage condition :** Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Amino Acid :** Met1-Ala709

### Application Note

Endotoxin :< 1.0 EU per µg protein as determined by the LAL method.

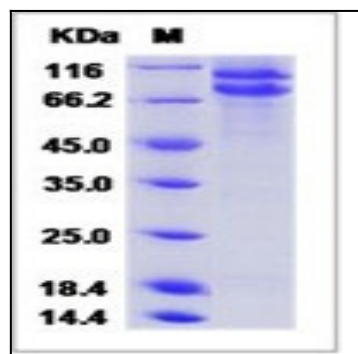


Fig 1: Human E-Cadherin / CDH1 / E-cad / CD324 Recombinant Protein (His Tag, ECD)