Leader in Biomolecular Solutions for Life Science

www.abclonal.com

Biotinylated Recombinant Human E-Cadherin/CDH1/CD324 Protein (Primary Amine Labeling)

Catalog No.: RP01421BS Recombinant

Sequence Information

Species Human

Gene ID

Swiss Prot P12830

Tags
C-His

Synonyms
Arc-1;CD324;CDHE;ECAD;LCAM;UVO;CDH1;E-Cadherin; Arc-1; CD324; CDHE; ECAD; LCAM; UVO; cadherin-1;E Cadherin

Product Information

Source HEK293 cells

Purification

Calculated MW

Observed MW

Endotoxin

Formulation

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Background

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.

Basic Information

Description

Recombinant Human E-Cadherin/CDH1/CD324 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asp155-Ala709) of human E-Cadherin/Cadherin-1 (Accession #NP_004351.1) fused with a 6×His tag at the C-terminus.

Bio-Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃
Avoid repeated freeze/thaw cycles.

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

* □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□