

Human E-Cadherin/CDH1/E-cad/CD324 (His Tag) recombinant protein



Catalog Number: 503184

General Information

Gene Name Synonym

CAM 120/80; Epithelial cadherin; Uvomorulin; E-Cad/CTF1; E-Cad/CTF2; E-Cad/CTF3

Protein Construction

A DNA sequence encoding the extracellular domain of human E-Cad precursor (NP_004351.1) (Met 1-Ile 707) was fused with a C-terminal polyhistidine tag.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by the ability of the immobilized protein to support the adhesion of MCF-7 human breast adenocarcinoma cells.

When cells are added to E-Cad coated plates (5 µg/mL, 100 µL/well), approximately 20%-40% of cells will adhere specifically after 90 minutes at 37 °C.

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Gln 23 & Asp 155

Molecular Mass

The recombinant pro form of human E-Cad consists of 696 amino acids and has a calculated molecular mass of 77 kDa. As a result of glycosylation, the apparent molecular mass of rh E-Cad is approximately 80&95 kDa corresponding to the mature form and pro form respectively in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

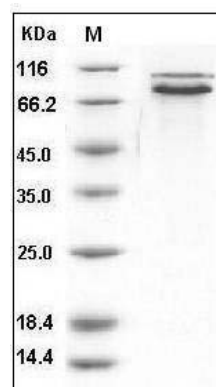
Storage

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.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



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Protein (His Tag) SDS-PAGE