

Human N-Cadherin/CD325/CDH2 (His Tag) recombinant protein



Catalog Number: 503359

General Information

Protein Construction

A DNA sequence encoding the extracellular domain of human CDH2 (NP_001783.2) precursor (Met 1-Ala 724) was fused with a polyhistidine tag at the C-terminus.

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 5×10^4 cells/well are added to Recombinant Human Cadherin-2 coated plates (5 $\mu\text{g}/\text{mL}$ with 100 $\mu\text{L}/\text{well}$), approximately >50% will adhere after 1 hour 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

Ser 26

Molecular Mass

The pro form of human CDH2 consists of 710 amino acids and predicts a molecular mass of 78.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of CDH2 is 90 & 75 kDa corresponding to the pro form and mature form respectively due to glycosylation.

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

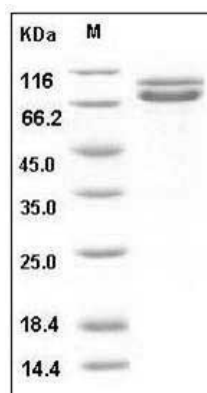
Storage

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



Human N-Cadherin / CD325 / CDH2D Protein (His Tag) SDS-PAGE