

Human R-Cadherin / CDH4 (His Tag) recombinant protein



Catalog Number: 501778

General Information

Gene Name Synonym

Retinal cadherin

Protein Construction

A DNA sequence encoding the extracellular domain of human CAD4 (NP_001785.2) (Met 1-Ala 734) was expressed with a fused 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 C6 Rat brain glial cells. Human CAD4 immobilized at 0.8 µg/ml, 100 µl/well will mediate >20% C6 cell adhesion.

Purity

> 85 % 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

His 21

Molecular Mass

The recombinant pro form of human CAD4 comprises 725 amino acids and predicts a molecular mass of 80 kDa. As a result of glycosylation, rhCAD4 migrates as an approximately 90-100 kDa protein 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

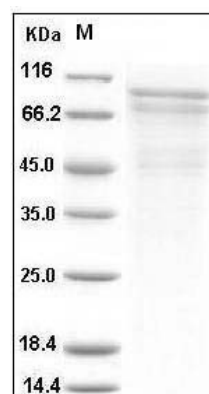
Storage

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



Human R-Cadherin / CDH4 Protein (His Tag) SDS-PAGE