Recombinant Human CDH3/P-cadherin Protein

Catalog No.: RP01491

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Sequence Information

Species
Human

Gene ID
1001

Swiss Prot
P22223

Tags
C-His

Synonyms
CDH3,CDHP,HJMD,PCAD

Product Information

Source
HEK293 cells

Purification
≥ 85 % as determined by SDS-PAGE.

Calculated MW
60.86 kDa

Observed MW
70-80 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

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.

Background

Cadherin-3 （also known as P-cadherin） is a classical cell-to-cell adhesion molecule with a homeostatic function in several normal tissues. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. In humans, cadherin-3 is only detected in a few organs. However, its overexpression is strongly associated with a poor prognosis in some solid tumors including breast, lung and pancreatic cancers.

Basic Information

Description
Recombinant Human CDH3/P-cadherin Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asp108-Gly654) of human CDH3/Cadherin-3 (Accession #NP_001784.2) fused with a 6×His tag at the C-terminus.

Activity
Measured by the ability of the immobilized protein to support the adhesion of A431 human epithelial carcinoma cells. When 1×105 cells/well are added to rhP-CAD/Fc Chimera coated plates (10 μg/mL with 100 μL/well), approximately 50-60% will adhere after 1.5 hours at 37° C.

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℃

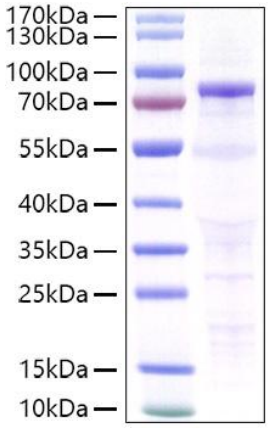
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human CDH3/P-cadherin Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.