

RP01491

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# Recombinant Human CDH3/P-cadherin Protein

Catalog No.: RP01491

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	1001	P22223

### Tags

C-His

### Synonyms

CDH3;CDHP;HJMD;PCAD

## Product Information

Source	Purification
HEK293 cells	≥ 85 % as determined by SDS-PAGE.

### 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact



[www.abclonal.com](http://www.abclonal.com)

## 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.

### Bio-Activity

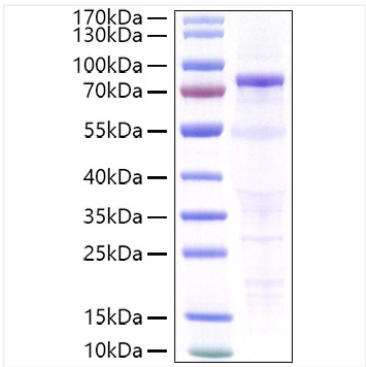
Measured by the ability of the immobilized protein to support the adhesion of A431 human epithelial carcinoma cells. When 1×10<sup>5</sup> cells/well are added to rhP-CAD/Fc Chimera coated plates (10 μg/mL with 100 μL/well), approximately 50-60% will adhere after 1.5 hours at 37° C.

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.  
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.  
Avoid repeated freeze/thaw cycles.

## Validation Data

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