

For Research Use Only

# Recombinant Human P-cadherin protein (rFc Tag)



Catalog Number: Eg5236

## Basic Information

**Species:**  
Human

**Purity:**  
>90 %, SDS-PAGE

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**

>90 %, SDS-PAGE

**Endotoxin Level:**

<0.1 EU/  $\mu$ g protein, LAL method

**Source:**

HEK293-derived Human P-cadherin protein Asp108-Phe440 (Accession# P22223-1) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**

1001

**Accession:**

P22223-1

**Predicted Molecular Mass:**

62.5 kDa

**SDS-PAGE:**

65-80 kDa, reducing (R) conditions

**Formulation:**

Lyophilized from 0.22  $\mu$ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

Cadherins are a family of transmembrane glycoproteins that mediate calcium-dependent cell-cell adhesion and play an important role in the maintenance of normal tissue architecture. P-cadherin (placental cadherin), also known as CDH3 (cadherin 3), is a classical member of the cadherin superfamily, which also includes E-, N-, R-, and B-cadherins. Aberrant expression of P-cadherin has been reported in many cancers, including breast, gastric, endometrial, ovarian, and prostate cancer.

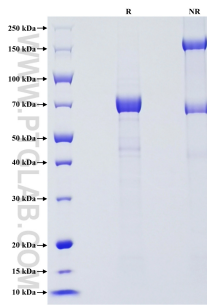
## References

1. Angst, B D et al. Journal of cell science vol. 114, Pt 4 (2001): 629-41.
2. Tiwari, Prince et al. Advances in experimental medicine and biology vol. 1112 (2018): 107-138.
3. Vieira, André Filipe, and Joana Paredes. Molecular cancer vol. 14 178. 6 Oct. 2015
4. Paredes, Joana et al. Breast cancer research : BCR vol. 9,5 (2007): 214.

## Synonyms

Cadherin 3, Cadherin-3, CDH3, CDHP, HJMD

## Selected Validation Data



Purity of Recombinant Human P-cadherin was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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