

For Research Use Only

Recombinant Human Cadherin-17 protein (rFc Tag)



Catalog Number: Eg2889

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
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Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Human Cadherin-17 protein Gln23-Met787 (Accession# Q12864) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
1015

Accession:
Q12864

Predicted Molecular Mass:
111.0 kDa

SDS-PAGE:
110-140 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ 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

Cadherin-17 (CDH17), also known as Liver-Intestine cadherin (LI-cadherin), is a member of the cadherin superfamily. Cadherin-17 is expressed in various tissues, including the intestine and liver, and plays a role in cell adhesion, proliferation, and migration in colorectal cancer (CRC) metastasis. It binds and activates $\alpha 2 \beta 1$ integrin, promoting cell adhesion and proliferation. High expression of Cadherin-17 is significantly associated with liver metastasis and poor survival in patients with colorectal cancer.

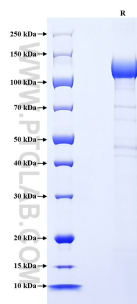
References

- 1.Bartolomé RA. et al. (2024). J Exp Clin Cancer Res. 43(1):31.
- 2.Bartolomé RA. et al. (2014). Oncogene. 33(13):1658-1669.

Synonyms

CDH17, Cadherin 17, Cadherin-17, CDH16, HPT 1

Selected Validation Data



Purity of Recombinant Human Cadherin-17 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.