For Research Use Only

Recombinant Human Cadherin-6 protein (rFc Tag)

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Catalog Number: Eg5864

Basic Information

Species:
Human

Purity:
>80 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:
>80 %, SDS-PAGE

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

Source:
HEK293-derived Human Cadherin-6 protein Thr19-Ala615 (Accession# P55285-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
1004

Accession:
P55285-1

Predicted Molecular Mass:
92.0 kDa

SDS-PAGE:
98-125 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℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ 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-6 (CDH6/K-cadherin) is a type I transmembrane glycoprotein of the cadherin superfamily, mediating Ca^{2+}-dependent homophilic cell adhesion. It is critical for embryonic kidney morphogenesis, neuronal migration, and placental development. CDH6 is overexpressed in ovarian, renal, and gastric cancers, driving tumor progression and metastasis. It is a validated ADC drug target; the CDH6-targeted ADC R-DXd is in phase II/III trials for platinum-resistant ovarian cancer.

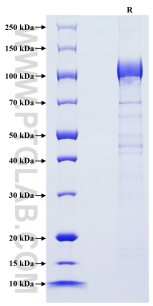
References

1. Shimazui, T et al. European urology vol. 38,3 (2000): 331-8.
2. Osterhout, Jessica A et al. Neuron vol. 71,4 (2011): 632-9.

Synonyms

CDH6, Cadherin 6, K cadherin, KCAD, K-cadherin

Selected Validation Data



Purity of Recombinant Human Cadherin-6 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.