For Research Use Only

Recombinant Human CEACAM5 protein (hIGg2fc Tag)

www.ptgcn.com

Catalog Number: Eg0247

Basic Information

Species: Human

Purity: >90 %, SDS-PAGE

Tag: hIGg2fc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<1.0 EU/ μ g protein, LAL method

Source:
HEK293-derived Human CEACAM5 protein Lys35-Ala685 (Accession# BC034671) with a hIGg2fc tag at the C-terminus.

GeneID:
1048

Accession:
BC034671

Predicted Molecular Mass:
98.4 kDa

SDS-PAGE:

Formulation:
Lyophilized from sterile 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

CEACAM5 is a cell surface glycoprotein that is overexpressed in a variety of human tumors, including pancreatic cancers, breast cancers, lung cancer, and neuro-endocrine prostate cancer (NEPC) and has been functionally associated with tumor differentiation, invasion, and metastasis. Currently, CEACAM5 has been targeted for developing immunotherapies such as bispecific T cell engagers (BiTEs), CAR-T cells, or ADCs.

References

1. Han, Zi-Wen et al. Investigational new drugs vol. 38,6 (2020): 1888-1898.
2. DeLucia, Diana C et al. Clinical cancer research : an official journal of the American Association for Cancer Resear
3. Kim, Ye-Jin et al. Frontiers in oncology vol. 13 1124039.

Synonyms

CEA, Carcinoembryonic antigen, Carcinoembryonic antigen-related cell adhesion molecule 5, CD66e, Meconium antigen 100

Selected Validation Data