

For Research Use Only

Recombinant Human CORT protein (rFc Tag)



Catalog Number: Eg4060

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Human CORT protein Gln77-Lys105 (Accession# O00230) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

1325

Accession:

O00230

Predicted Molecular Mass:

29.7 kDa

SDS-PAGE:

32-38 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

Cortistatin (CORT) is a multifunctional neuropeptide that inhibits tumor development in a variety of malignant tumors. CORT is widely expressed in the nervous, endocrine, and immune systems, with the best expression in inhibitory neurons in the cerebral cortex. CORT plays a critical role in a variety of physiological and disease processes, including immune responses, heart disease and neurological degeneration. Its overexpression significantly reduces the ability of glioma cells to proliferate and migrate in vitro and to form tumors in vivo. (PMID: 38292193)

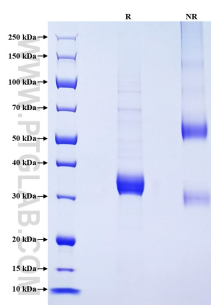
References

1. He Z, et al. Genes Dis. 2023;11(3):100977.
2. Zhao Y, et al. Theranostics. 2020;10(15):7015-7033.
3. Liang J, et al. Cardiovasc Diagn Ther. 2019;9(4):394-399.
4. Gao Y, et al. Commun Biol. 2024;7(1):132.

Synonyms

Cortactin, cortistatin, UNQ307/PRO350

Selected Validation Data



Purity of Recombinant Human CORT 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

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.