

For Research Use Only

Recombinant Mouse Ctf1 protein (rFc Tag)



Catalog Number: Eg2867

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<1.0 EU/ µg protein, LAL method

Source:

HEK293-derived Mouse Ctf1 protein Ser2-Ala203 (Accession# Q60753) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

13019

Accession:

Q60753

Predicted Molecular Mass:

47.0 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°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

CTF1 (Cardiotrophin-1) is a member of the interleukin-6 (IL-6) family of cytokines. It is a secreted protein that induces cardiac myocyte hypertrophy in vitro and has been shown to bind and activate the IL-6ST/gp130 receptor. CTF1 plays a crucial role in various physiological and pathological processes, including cardiac function, metabolism, and cancer progression.

References

1. Bustos, Matilde et al. Oncoimmunology vol. 1,9 (2012): 1527-1536.
2. Ping, Ying et al. Journal of clinical laboratory analysis vol. 35,4 (2021): e23570.
3. Tsuruda, Toshihiro et al. Circulation research vol. 90,2 (2002): 128-34.
4. Moreno-Aliaga, Maria J et al. Cell metabolism vol. 14,2 (2011): 242-53.
5. Akkoc, Yunus et al. Autophagy vol. 19,1 (2023): 306-323.

Synonyms

Cardiotrophin-1, CT-1

Selected Validation Data

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.