

Recombinant Human PMCH protein (rFc Tag)

Catalog Number: Eg2978

Basic Information

Species:
Human**Purity:**
>90 %, SDS-PAGE**Tag:**
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Human PMCH protein Ile22-Val165 (Accession# P20382) a rabbit IgG Fc tag at the C-terminus.

GeneID:

5367

Accession:

P20382

Predicted Molecular Mass:

42.4 kDa

SDS-PAGE:

44-50 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 µm 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

The orexigenic neuropeptide melanin-concentrating hormone (MCH), a product of PMCH, is an important mediator of energy homeostasis. PMCH is expressed predominantly in neurons of the lateral hypothalamic area and the incerto hypothalamic area, which project throughout the brain. PMCH is also expressed in some peripheral tissues, such as the testes, although at lower levels than in the brain. PMCH plays an important role in determining energy balance during early development.

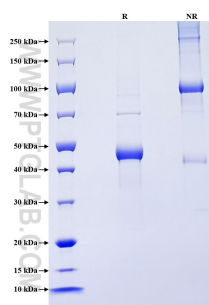
References

1. Mul JD. et al. (2010) Am J Physiol Endocrinol Metab. 298(3):E477-E488.
2. Mul JD. et al. (2013) PLoS One. 8(3):e60214.
3. Bertolesi GE. et al. (2019) Pigment Cell Melanoma Res. 32(4):510-527.

Synonyms

MCH, PMCH, NEI, NGE, Pro MCH

Selected Validation Data



Purity of Recombinant Human PMCH 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

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