

For Research Use Only

Recombinant Human LHB protein (mFc Tag)



Catalog Number: Eg4252

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
mFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Human LHB protein Ser21-Leu141 (Accession# P01229) with a mouse IgG Fc tag at the C-terminus.

GeneID:

3972

Accession:

P01229

Predicted Molecular Mass:

39.8 kDa

SDS-PAGE:

43-48 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

Lutropin Subunit Beta, also known as LHB, is a member of the glycoprotein hormone beta chain family. It encodes the beta subunit of luteinizing hormone (LH), expressed in the pituitary gland, and promotes spermatogenesis and ovulation by stimulating the testes and ovaries to synthesize steroids. LHB is synthesized and secreted by the gonadotropes within the anterior pituitary gland. Mutations in the LHB gene are associated with hypogonadism, characterized by infertility and pseudohermaphroditism.

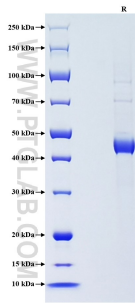
References

1. Keutmann HT, et al. (1987). Proc Natl Acad Sci U S A. 84(7):2038-2042.
2. Jablonka-Shariff A, et al. (2008). J Biol Chem. 283(17):11485-11492.
- Lofrano-Porto A, et al. (2007). N Engl J Med. 357(9):897-904.

Synonyms

Luteinizing hormone beta, hLHB, LH B, LSH B, LSH beta

Selected Validation Data



Purity of Recombinant Human LHB was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) 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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