

For Research Use Only

Recombinant Human TGFB β 3L protein (rFc Tag)



Catalog Number: Eg4201

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 TGFB β 3L protein Leu17-Pro244 (Accession# H3BV60-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

100507588

Accession:

H3BV60-1

Predicted Molecular Mass:

50.3 kDa

SDS-PAGE:

60-70 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

Transforming growth factor beta receptor 3 like (TGFB β 3L) is a transmembrane protein selectively expressed in pituitary gonadotroph cells. TGFB β 3L shows sequence similarity to transforming growth factor beta receptor 3 (TGFB β 3), also called betaglycan, that has been detected in rodent pituitary gland and is suggested as an inhibin A co-receptor. TGFB β 3L was shown to function as an inhibin B co-receptor in mice, as TGFB β 3L knockout female mice presented a modest increase in FSH levels that was sufficient to enhance ovarian folliculogenesis and litter size.

References

1. Cheung LYM et al. (2018). Endocrinology 159.(12):3910-3924.
2. Fletcher PA et al. (2019). Front Endocrinol (Lausanne).10:623.
3. Zhang S et al. (2020). Nat Commun.11(1):5275.
4. Wang Y et al. (2021). Sci Adv.7(51):eabl4391.
5. Bernard DJ et al. (2020). Trends Endocrinol Metab.31(1):37-45.

Synonyms

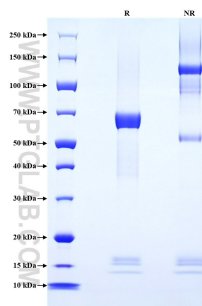
TGF-beta receptor type III-like protein, TGF-beta receptor type-3-like protein, TGFB β 3L, TGFR-3L, Transforming growth factor-beta receptor type 3-like protein

For technical support and original validation data for this product please contact

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Selected Validation Data



Purity of Recombinant Human TGFBR3L 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.