For Research Use Only

Recombinant Mouse ANGPTL3 protein (His Tag)

www.ptgcn.com

Catalog Number: Eg0662

Basic Information

Species: Mouse

Purity: >90 %, SDS-PAGE

Tag: His Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Mouse ANGPTL3 protein Ser17-Thr455 (Accession# Q9R182) with a His tag at the C-terminus.

GeneID:
30924

Accession:
Q9R182

Predicted Molecular Mass:
52.3 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℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ 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

ANGPTL3 belongs to the angiopoietin-like protein family. ANGPTL3 is mainly synthesized by liver cells and is notably expressed in kidney podocytes. Accumulating evidences have revealed that ANGPTL3 plays a critical role in both biological processes, such as lipid metabolism, angiogenesis and haematopoietic function and pathological changes, including atherosclerosis, carcinogenesis, nephrotic syndrome, diabetes, liver diseases and so on. Thus, ANGPTL3 may serve as a potential biomarker in these diseases. Overexpression of Angptl3 or intravenous injection of the purified protein in KK/San mice elicited a marked increase in circulating plasma lipid levels. It suggests that Angptl3 regulates lipid metabolism in mice.

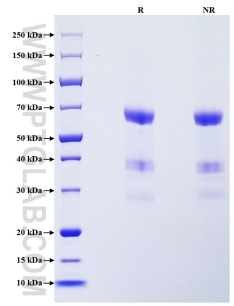
References

1.Pei-Yi Chen. et al. (2021) Int J Mol Sci. 7;22(14):7310.
2.Shuang Jiang.et al. (2019) J Drug Target.27(8):876-884.
3.Ryuta Koishi. et al. (2002) Nat Genet.30(2):151-7.
4.Anna Tikka. et al. (2016) Endocrine. 52(2):187-93.

Synonyms

Angiopoietin-like 3/ANGPTL3, angiopoietin like 3

Selected Validation Data



Purity of Recombinant Human ANGPTL3 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.