

For Research Use Only

Recombinant Mouse ANGPTL4 protein (rFc Tag)



Catalog Number: Eg2770

Basic Information

Species:
Mouse

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 Mouse ANGPTL4 protein Arg168-Ser410 (Accession# Q9Z1P8) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
57875

Accession:
Q9Z1P8

Predicted Molecular Mass:
53.4 kDa

SDS-PAGE:
57-70 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

ANGPTL4 is highly expressed in ATs and liver in humans and mice and to a lesser extent in heart, muscles and other tissues. Expression of ANGPTL4 is regulated by nutritional and metabolic states. For example, ANGPTL4 is induced by fasting and hypoxia in a tissue dependent manner. Its expression is under the regulation of several transcription factors including PPARs, glucocorticoid receptors, hypoxia-inducible factor 1-alpha (HIF1α) and others.

References

1. Yoon JC et al. (2000). Mol Cell Biol 20 (14), 5343-9.
2. Kersten S et al. (2000). J Biol Chem 275 (37), 28488-93.
3. Belanger AJ et al. (2002). J Mol Cell Cardiol 34 (7), 765-74.
4. Koliwad SK et al. (2009). J Biol Chem 284 (38), 25593-601.

Synonyms

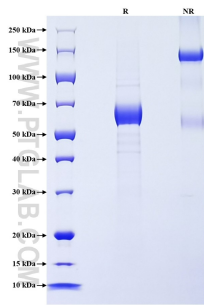
425O18-1, Angiopoietin-like protein 4, Angiopoietin-related protein 4, Angptl4, ANGPTL4 C-terminal chain

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

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Selected Validation Data



Purity of Recombinant Mouse Angptl4 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.