

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/  $\mu$ g 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  $\mu$ m filtered solution in 20 mM PB, 150 mM NaCl, 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 (HIF1  $\alpha$ ) and others.

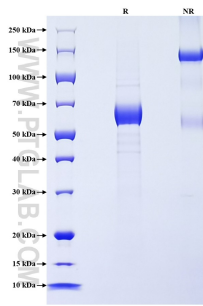
## References

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 C-terminal chain, ANGPTL4 N-terminal chain

## 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.

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

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