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# Recombinant Mouse Angiopoietin-like 4/ANGPTL4 Protein

**Catalog No.: RP03524** **Recombinant**

## Sequence Information

| Species | Gene ID | Swiss Prot |
|---|---|---|
| Mouse | 57875 | Q9Z1P8 |

**Tags**
N-His

**Synonyms**
Angptl4; Farp; Fiaf; Ng27□Angiopoietin-related protein 4;

## Background

Angiopoietin-related protein 4 (ANGPTL4 ) is a secreted protein and contains 1 fibrinogen C-terminal domain. The protein may act as a regulator of angiogenesis and modulate tumorigenesis. It inhibits proliferation, migration, and tubule formation of endothelial cells and reduces vascular leakage. ANGPTL4 may exert a protective function on endothelial cells through an endocrine action. It is directly involved in regulating glucose homeostasis, lipid metabolism, and insulin sensitivity (By similarity). In response to hypoxia, the unprocessed form of the protein accumulates in the subendothelial extracellular matrix (ECM). The matrix-associated and immobilized unprocessed form limits the formation of actin stress fibers and focal contacts in the adhering endothelial cells and inhibits their adhesion. It also decreases motility of endothelial cells and inhibits the sprouting and tube formation.

## Product Information

| Source | Purification |
|---|---|
| HEK293 cells | ≥ 95 % as determined by Tris-Bis PAGE;≥ 95 % as determined by HPLC. |

| Calculated MW | Observed MW |
|---|---|
| 28.4 kDa | 30-40 kDa |

**Endotoxin**
< 1 EU/μg of the protein by LAL method.

**Formulation**
Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

**Reconstitution**
Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.

## Basic Information

**Description**

Recombinant Mouse Angiopoietin-like 4/ANGPTL4 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Arg168-Ser410) of Mouse Angiopoietin-like 4/ANGPTL4(Accession # Q9Z1P8) fused with His tag at the N-terminus.

**Bio-Activity**

**Shipping**
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

**Storage**
Store at -20℃
Avoid repeated freeze/thaw cycles.

**Operational Notes**
For your safety and health, please wear a lab coat and disposable gloves for handling.

## Contact


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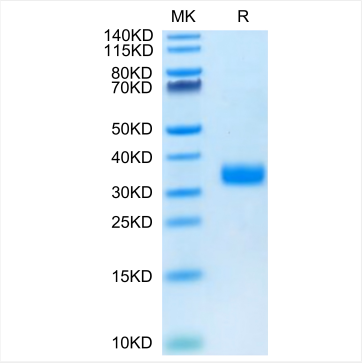
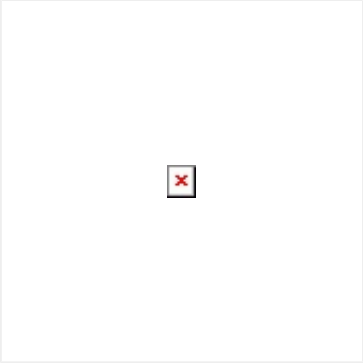
## Validation Data




Recombinant Mouse Angiopoietin-like 4/ANGPTL4 Protein was determined by Bis-Tris PAGE under reducing conditions.



*The purity of Recombinant Mouse Angiopoietin-like 4/ANGPTL4 Protein is greater than 95% as determined by SEC-HPLC.



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