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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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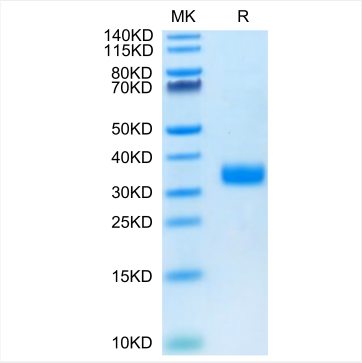
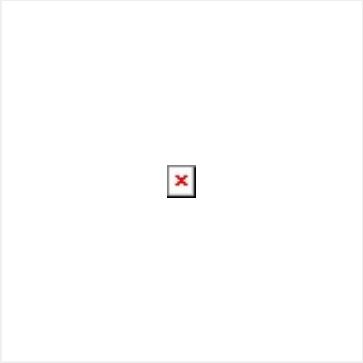
Validation Data



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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