

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;

Product Information

Source

HEK293 cells

Purification
≥ 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 $100~\mu g/ml$ is recommended. Dissolve the lyophilized protein in distilled water.

Contact

a		400-999-6126
\bowtie		cn.market@abclonal.com.cn
— €	T	www.abclonal.com.cn

Background

Angiopoietin-related protein 4 \square ANGPTL4 \square 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.

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

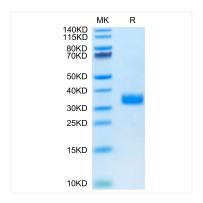
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

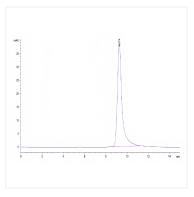
After reconstitution, the protein solution is stable at -20 $^{\circ}$ C for 3 months, at 2-8 $^{\circ}$ C for up to 1 week.

Avoid repeated freeze/thaw cycles.

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.