

Recombinant Human Angiopoietin-like 4/ANGPTL4(166-406) Protein

Catalog No.: RP02179 **Recombinant** **1 Publications**

Sequence Information

Species	Gene ID	Swiss Prot
Human	51129	Q9BY76

Tags

N-His

Synonyms

ANGPTL4;ARP4;FIAF;HARP;HFARP;NL2;PGAR;TGQTL;UNQ171;pp1158

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
27.92 kDa	32-38 kDa

Endotoxin
<0.001 EU/μg

Formulation
Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

Contact

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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.

Basic Information

Description

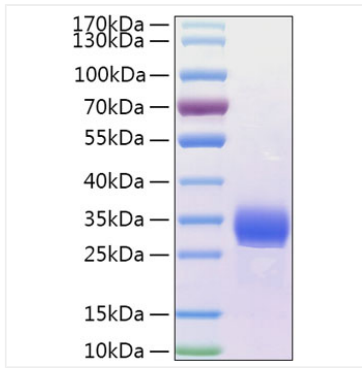
Recombinant Human Angiopoietin-like 4/ANGPTL4(166-406) Protein is produced by Mammalian expression system. The target protein is expressed with sequence (Pro166-Ser406) of human ANGPTL4 (Accession #Q9BY76) fused with a 6xHis tag at the N-terminus.

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°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human Angiopoietin-like 4/ANGPTL4 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 32-38kDa.