

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;IAF;HARP;HFARP;NL2;PG
 AR;TGQTL;UNQ171;pp1158

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 SDS-PAGE.

Calculated MW **Observed MW**
 27.92 kDa 32-38 kDa

Endotoxin
 < 0.1 EU/μg of the protein by LAL method.

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.

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

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

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.

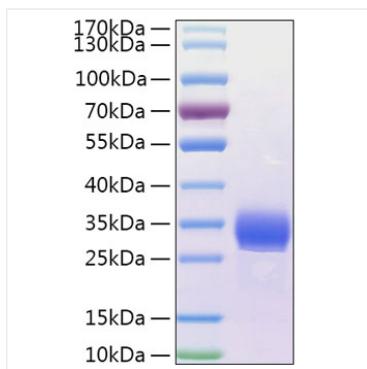
Operational Notes

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

Contact

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Validation Data



Recombinant Human Angiopoietin-like 4/ANGPTL4(166-406) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.