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

Catalog No.: RP02179

Sequence Information

Species	Gene ID
Human	51129
Swiss Prot	**Tags**
Q9BY76	N-His

Synonyms
ANGPTL4,ARP4,FIAF,HARP,HFARP, NL2,PGAR,TGQTL,UNQ171,pp1158

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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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.

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℃

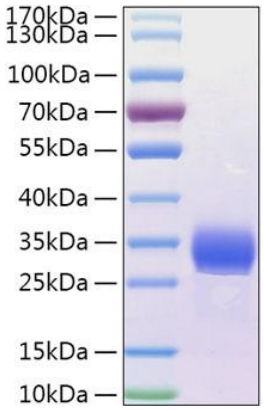
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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For research use only. Not for therapeutic or diagnostic purposes.
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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.