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Recombinant Human Angiopoietin-like 3/ANGPTL3(17-220) Protein

Catalog No.: RP01024 Recombinant 1 Publications

Sequence Information

Species	Gene ID	Swiss Prot
Human	27329	Q9Y5C1

Tags
C-His

Synonyms
ANG-5; ANGPT5; ANL3; FHBL2;ANGPTL3;ANGPT5;ANL3;FHBL2

Product Information

Source	Purification
HEK293 cells	≥ 90 % as determined by SDS-PAGE.

Calculated MW	Observed MW
24.64 kDa	35-38 kDa

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

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial 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.

Contact

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Background

Angiopoietin-like protein 3 (ANGPTL3) also known as Angiopoietin-related protein 3, Angiopoietin-5 (ANG-5) is a secreted glycoprotein that is structurally related to the angiopoietins.Human ANGPTL3 contains an N-terminal coiled coil domain and a C-terminal fibrinogen-like domain. The fibrinogen C-terminal domain is sufficient to mediate endothelial cell adhesion. ANGPTL3 is principally expressed in the liver and can exert activities related to both angiogenesis and lipid metabolism.ANGPTL3 directly inhibits lipoprotein lipase (LPL) and endothelial lipase (EL), enzymes responsible for hydrolyzing circulating triglycerides and HDL phospholipids.

Basic Information

Description
Recombinant Human Angiopoietin-like 3/ANGPTL3(17-220) Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser17-Pro220) of human ANGPTL3/Angiopoietin-like 3 (Accession #NP_055310.1) fused with a 6×His tag at the C-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℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ 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.

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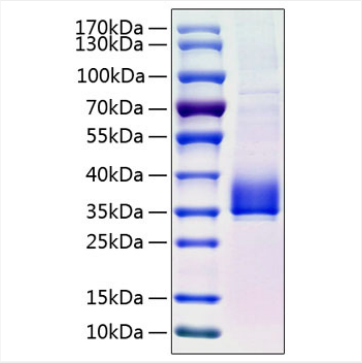
Validation Data



Recombinant Human Angiopoietin-like 3/ANGPTL3(17-220) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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