

Recombinant Human Angiopoietin-like 3/ANGPTL3 (17-460) Protein

Catalog No.: RP02866

Sequence Information

Species **Gene ID**
Human 27329

Swiss Prot **Tags**
Q9Y5C1 C-His

Synonyms

ANG-5, ANGPT5, ANL3, FHBL2,
ANGPTL3, ANGPT5, ANL3, FHBL2,
ANGPTL3

Product Information

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

Calculated MW **Observed MW**
52.65 kDa 65-75 kDa

Endotoxin

< 1 EU/μg of the protein by LAL
method.

Formulation

Lyophilized from a 0.22 μm filtered
solution of PBS, 0.05% CHAPS,
pH7.4.

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 stabilizer
(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-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(17-460) Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser17-Glu460) of human Angiopoietin-like 3/ANGPTL3 (Accession #NP_055310.1) fused with a 6×His tag at the C-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°C

Operational Notes

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

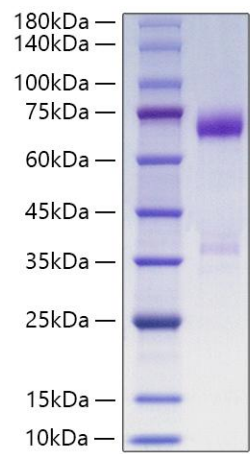
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Validation Data



Recombinant Human Angiopoietin-like 3/ANGPTL3(17-460) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.