

# Biotinylated Human ANGPTL3/Angiopoietin-like 3 Protein

Cat. No. ANG-HM403B

## Description

<b>Source</b>	Recombinant Biotinylated Human ANGPTL3/Angiopoietin-like 3 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Ser17-Lys219.
<b>Accession</b>	Q9Y5C1
<b>Molecular Weight</b>	The protein has a predicted MW of 26.6 kDa. Due to glycosylation, the protein migrates to 30-38 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

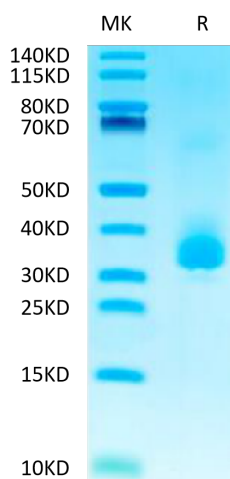
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

ANGPTL3 is a secreted glycoprotein that is structurally related to the angiopoietins. Mature human ANGPTL3 contains an N-terminal coiled coil domain and a Cterminal fibrinogen-like domain. ANGPTL3 is expressed in the liver from early in development through adulthood. Acts in part as a hepatokine that is involved in regulation of lipid and glucose metabolism. Proposed to play a role in the trafficking of energy substrates to either storage or oxidative tissues in response to food intake.

## Assay Data

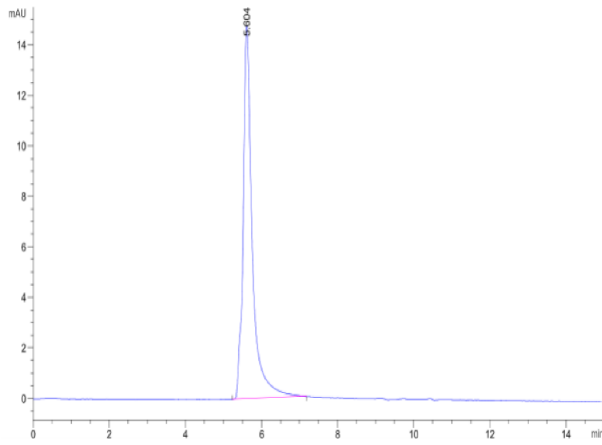
### Tris-Bis PAGE



Biotinylated Human ANGPTL3 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.

### SEC-HPLC

Assay Data



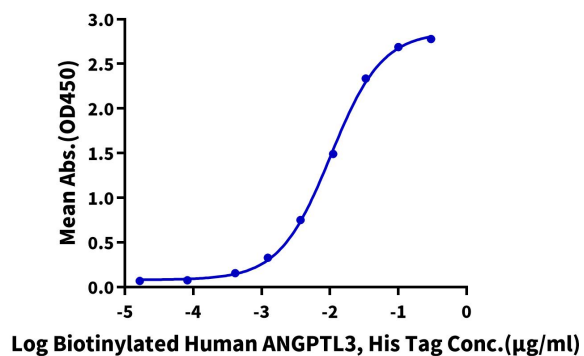
The purity of Biotinylated Human ANGPTL3 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

**Biotinylated Human ANGPTL3, His Tag ELISA**

0.1µg Anti-ANGPTL3 Antibody, hFc Tag Per Well



Immobilized Anti-ANGPTL3 Antibody, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human ANGPTL3, His Tag with the EC50 of 10.2ng/ml determined by ELISA.