

Recombinant human Angiopoietin-like 3 protein, C-His-Avi (HEK293), Biotin conjugated

Catalog Number: bs-47022P-Bio

Concentration: >0.5 mg/ml

AA Seq: 17-219/460

Predicted MW: 26.6

Detected MW: Due to glycosylation, the protein migrates to 30-38 kDa based on Tris-Bis PAGE result.

Tags: C-His-Avi

Activity: Not tested

Endotoxin: <1.0 EU/μg as determined by LAL

Purity: >95% as determined by Tris-Bis PAGE

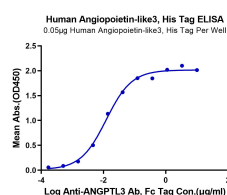
Purification: AC

Storage: Lyophilized from 0.22um filtered solution in PBS (pH7.4) with 5mM DTT. Normally 5% trehalose is added as protectant before Lyophilization.

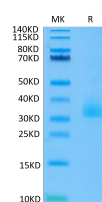
Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

Background: Angiopoietin-like protein 3 (Angptl3) functions as a potent lipoprotein lipase inhibitor and is an important component of plasma triglyceride homeostasis. Angptl3 also plays a role in adipose formation and angiogenesis through its interaction with integrin α 5 β 3. It is secreted by the liver and is functionally defined by the C-terminal fibrinogen (FBN)-like domain and an N-terminal coiled-coil domain. Angptl3 regulates circulating triglyceride levels during different nutritional states thereby mediating the feeding/fasting cycle. A deficiency of Angptl3 results in abnormally low lipid levels, and a repression of the protein may be protective against atherosclerosis. Angptl3 may also play an important role in hyperlipidemia in diabetes.

VALIDATION IMAGES



Immobilized Human Angiopoietin-like3, His Tag at 0.5μg/ml (100μl/Well). Dose response curve for Anti-ANGPTL3 Ab. with the EC50 of 12.2ng/ml determined by ELISA.



Human Angiopoietin-like 3 / ANGPTL3 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.