

HUMAN ANGPTL3 PROTEIN, HIS TAG

Cat.#: 11327

Product Name: Human ANGPTL3 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: ANG-5;ANGPT5;ANL3;FHBL2

Target: ANGPTL3

UNIPROT ID: Q9Y5C1

Description: Recombinant human ANGPTL3 protein with C-terminal 6xHis tag

Background: This gene encodes a member of a family of secreted proteins that function in angiogenesis. The encoded protein, which is expressed predominantly in the liver, is further processed into an N-terminal coiled-coil domain-containing chain and a C-terminal fibrinogen chain. The N-terminal chain is important for lipid metabolism, while the C-terminal chain may be involved in angiogenesis. Mutations in this gene cause familial hypobetalipoproteinemia type 2.

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 24.8 kDa after removal of the signal peptide. The apparent molecular mass of ANGPTL3-His is approximately 25-35 kDa due to glycosylation.

Molecular Characterization: ANGPTL3(Ser17-Arg221) 6×His tag

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

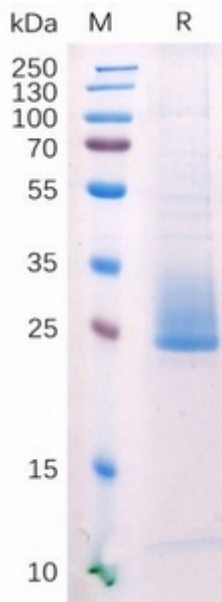


Figure 1. Human ANGPTL3 Protein, His Tag on SDS-PAGE under reducing condition