

## ANGPTL3/Angiopoietin-like 3 Protein, Cynomolgus (sf9, His)

Cat. No.:	HY-P76726
Synonyms:	Angiopoietin-related protein 3; Angiopoietin-5; ANG-5; ANGPT5
Species:	Cynomolgus
Source:	Sf9 insect cells
Accession:	XP_005543242 (M1-P220)
Gene ID:	102136264
Molecular Weight:	Approximately 25.2 kDa.

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 50 mM PB, 150 mM NaCl, pH 7.5, 0.1 % CHAPS. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	<p>ANGPTL3/Angiopoietin-like 3 is a vascular growth factor, which is highly specific to endothelial cells, performs various other regulatory activities to affect inflammation, and has been proved to have atherosclerosis promoting and atherosclerosis protecting effects<sup>[1]</sup>.</p> <p>ANGPTL3/Angiopoietin-like 3 can inhibit the activity of lipoprotein lipase in vitro and in vivo, and plays a crucial role in human lipoprotein metabolism. In addition, ANGPTL3/Angiopoietin-like 3 can stimulate the adhesion and migration of endothelial cells and induce angiogenesis by binding to the cell integrin αVβ3. ANGPTL3/Angiopoietin-like 3 also activates protein kinase B and increases the permeability of glomerular endothelial cells<sup>[2]</sup>.</p> <p>The loss of function, inactivation or down-regulation of ANGPTL3/Angiopoietin-like 3 is related to the significant reduction of plasma TGs, LDL-C and high-density lipoprotein cholesterol (HDL-C) levels, atherosclerosis and the risk of cardiovascular events<sup>[3]</sup>.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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