

# Recombinant Mouse ANGPTL3, Coiled-Coil Domain, His-tagged

**Cat. No.** ANGPTL3-398M    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**      Recombinant Mouse Angiopoietin-like 3 is expressed in *HEK 293 cells*. The signal peptide and the coiled-coil domain of mouse ANGPTL3 (angiopoietin-like protein 3) (aa 1-206) are fused at the C-terminus to a His-tag.

**Species**      Mouse

**Source**      HEK293


**ProteinLength**      1-206 a.a.

**Description**

The protein encoded by this gene is a member of the angiopoietin-like family of secreted factors. It is predominantly expressed in the liver, and has the characteristic structure of angiopoietins, consisting of a signal peptide, N-terminal coiled-coil domain and the C-terminal fibrinogen (FBN)-like domain. The FBN-like domain in angiopoietin-like 3 protein was shown to bind alpha-5/beta-3 integrins, and this binding induced endothelial cell adhesion and migration. This protein may also play a role in the regulation of angiogenesis. Angptl3 also acts as dual inhibitor of LPL and EL, and increases plasma triglyceride and HDL cholesterol in rodents. ANGPTL3 inhibit endothelial lipase to catalyze HDL-phospholipid and increase HDL-PL levels. Circulating PL-riched HDL particles have high cholesterol efflux abilities. In human, ANGPTL3 is a determinant factor of HDL level and positively correlates with plasma HDL cholesterol.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Formulation</b>	Liquid. 0.2µm-filtered solution in PBS.
<b>Endotoxin</b>	<1EU/g protein (LAL-test).
<b>Concentration</b>	0.3mg/ml.
<b>Storage</b>	Avoid freeze/thaw cycles. After opening, prepare aliquots and store at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Angptl3 angiopoietin-like 3 [ Mus musculus ]</a>
<b>Synonyms</b>	angiopoietin-like 3; Angptl3; hyp1; angiopoietin-related protein 3; OTTMUSP00000009086; hypolipidemia; angiopoietin-like protein 3
<b>Gene ID</b>	<a href="#">30924</a>
<b>mRNA Refseq</b>	<a href="#">NM_013913</a>
<b>Protein Refseq</b>	<a href="#">NP_038941</a>
<b>MIM</b>	<a href="#">604774</a>
<b>UniProt ID</b>	<a href="#">Q9R182</a>
<b>Chromosome Location</b>	4 C6

 Tel: 1-631-559-9269 1-516-512-3133


 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA




**Function**

enzyme inhibitor activity; receptor binding

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA