

# Recombinant Human ANGPTL4 Protein (Gly26-Ser406, Lys163Ala & Arg164Ala), C-6×His-tagged

## Product Information

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<b>Cat</b>	IMP-10593
<b>Official Symbol</b>	ANGPTL4
<b>Product Overview</b>	Recombinant human Angiopoietin-like 4 protein (Gly26-Ser406, Lys163Ala & Arg164Ala) with a C-terminal 6×His tag was expressed in Mouse myeloma cell line.
<b>Description</b>	<i>This gene encodes a glycosylated, secreted protein containing a C-terminal fibrinogen domain. The encoded protein is induced by peroxisome proliferation activators and functions as a serum hormone that regulates glucose homeostasis, lipid metabolism, and insulin sensitivity. This protein can also act as an apoptosis survival factor for vascular endothelial cells and can prevent metastasis by inhibiting vascular growth and tumor cell invasion. The C-terminal domain may be proteolytically-cleaved from the full-length secreted protein. Decreased expression of this gene has been associated with type 2 diabetes. Alternative splicing results in multiple transcript variants. This gene was previously referred to as ANGPTL2 but has been renamed ANGPTL4.</i>
<b>Expression System</b>	Mouse myeloma cell line
<b>Species</b>	Human
<b>Tag</b>	C-6×His
<b>Predicted N Terminal</b>	Gly26
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in MOPS, NaCl and CHAPS.
<b>Molecular Mass</b>	Predicted Molecular Mass: 43.6 kDa (monomer) SDS-PAGE: 50-55 kDa, reducing conditions
<b>Protein length</b>	Gly26-Ser406, Lys163Ala & Arg164Ala
<b>Bio-activity</b>	Measured by its ability to inhibit lipoprotein lipase activity. Yoshida, K. et al. (2002) J. Lipid Res. 43:1770. The IC50 value under conditions in which Recombinant Human Lipoprotein Lipase/LPL and p-nitrophenyl butyrate are present in 0.1 M sodium phosphate, 0.15 M NaCl, 0.5% Triton X-100, pH 7.2, is approximately 0.05-2.0 µg/mL.
<b>Endotoxin</b>	
<b>Purity</b>	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.
<b>Notes</b>	Oligomer

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**Storage**

*Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.*

**Reconstitution**

*Reconstitute at 100 µg/mL in sterile PBS.*