

## Active Recombinant Human ANGPTL4, His-tagged

Cat. No. ANGPTL4-26H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ANGPTL4, Gly26-Ser406 (Lys163Ala & Arg164Ala), fused with a C-terminal 6-His tag, was expressed in Mouse NS0 Cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>ProteinLength</b>	26-406 a.a.
<b>Description</b>	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.
<b>Predicted N Terminal</b>	Gly26
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in MOPS, NaCl and CHAPS.
<b>Bio-activity</b>	Measured by its ability to inhibit lipoprotein lipase activity. The IC50 value under

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conditions in which lipoprotein lipase is present at 5 units/mL, and p-nitrophenyl butyrate concentration is 1 mM in 0.1 M sodium phosphate-0.15 M NaCl-0.5% Triton? X-100, pH 7.2, is approximately 0.5-20 µg/mL.

**Molecular Mass**

Predicted Molecular Mass: 43.6 kDa (monomer)SDS-PAGE: 50-55 kDa, reducing conditions

**Endotoxin**

< 1.0 eu per 1 µg of the protein by the lal

**Purity**

>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.

**Storage**

Avoid repeated freeze-thaw cycles.12 months from date of receipt, -20 to -70 °C as supplied.1 month, 2 to 8 °C under sterile conditions after reconstitution.3 months, -20 to -70 °C under sterile conditions after reconstitution.

**Reconstitution**

Reconstitute at 100 µg/mL in sterile PBS.

## GENE INFORMATION

**Gene Name**

[ANGPTL4 angiotensin-like 4 \[ Homo sapiens \]](#)

**Official Symbol**

ANGPTL4

**Synonyms**

ANGPTL4; angiotensin-like 4; angiotensin-related protein 4; angiotensin related protein 4; ARP4; fasting induced adipose factor; FIAF; hepatic angiotensin related protein; hepatic fibrinogen/angiotensin related protein; HFARP; NL2; peroxisome prolif

**Gene ID**

[51129](#)

**mRNA Refseq**

[NM\\_001039667](#)

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<b>Protein Refseq</b>	NP_001034756
<b>MIM</b>	605910
<b>UniProt ID</b>	Q9BY76
<b>Chromosome Location</b>	19p13.3
<b>Pathway</b>	Developmental Biology; PPAR signaling pathway; Regulation of lipid metabolism by Peroxisome proliferator-activated receptor alpha (PPARalpha)
<b>Function</b>	enzyme inhibitor activity; protein binding

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