

Recombinant Human ANGPTL4, His-tagged

Cat. No. ANGPTL4-497H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Total 220 AA. MW: 25 kDa (calculated). N-Terminal His-tag, 16 extra AA (highlighted).
Species	Human
Source	E.coli
Description	This gene is induced under hypoxic conditions in endothelial cells and is the target of peroxisome proliferation activators. The encoded protein is a serum hormone directly involved in regulating glucose homeostasis, lipid metabolism, and insulin sensitivity and also acts as an apoptosis survival factor for vascular endothelial cells.
Form	Filtered (0.4 µm) and lyophilized in 0.5 mg/mL in 0.05M Acetate buffer pH 4.
Purity	>95%
Research topic	Energy metabolism and body weight regulation.
Reconstitution	Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
Applications	Biologically active protein; ELISA; Western blotting
Quality Control Test	BCA to determine quantity of the protein; SDS PAGE to determine purity of the

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

	protein
Sequences of amino acids	MRGSHHHHHH GMASHMGPVQ SKSPRFASWD EMNVLAHGLL QLGQGLREHA ERTRSQLSAL ERRLSACGSA CQGTEGSTDL PLAPESRVDP EVLHSLQTQL KAQNSRIQQL FHKVAQQQRH LEKQHLRIQH LQSQFGLLDH KHLDEHEVAKP ARRKRLPEMA QPVDPAHNVS RLHRLPRDCQ ELFQVGERQS GLFEIQPQGS PPFLVNCKMT SDGGWTVIQR
Storage	Store lyophilized protein at -20°C. Lyophilized protein remains stable until the expiry date when stored at -20°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after one week at 4°C.
Pathways	Diabetes pathways; Fatty acid, triacylglycerol; Metabolism of lipids and lipoproteins; PPAR signaling pathway; Regulation of Lipid Metabolism by Peroxisome proliferator-activated receptor alpha (PPARalpha); Transcriptional Regulation of White Adipocyte Differentiation
GENE INFORMATION	
Gene Name	ANGPTL4 angiotensin-like 4 [Homo sapiens]
Official Symbol	ANGPTL4
Synonyms	ANGPTL4; angiotensin-related protein 4; NL2; ARP4; FIAF; PGAR; HFARP; pp1158; ANGPTL2; angiotensin-related protein 4; angiotensin-like protein 4; fasting-induced adipose factor; PPARG angiotensin related protein; hepatic angiotensin-related protein; hepatic fibrinogen/angiotensin-related protein; peroxisome proliferator-activated receptor (PPAR) gamma induced angiotensin-related protein; PP1158;

PSEC0166; UNQ171/PRO197

Gene ID

51129

mRNA Refseq

NM_139314

Protein Refseq

NP_647475

MIM

605910

UniProt ID

Q9BY76

**Chromosome
Location**

19p13.3

Function

enzyme inhibitor activity; protein binding; receptor binding

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