

## Recombinant Human ANGPTL4, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Total 220 AA. MW: 25 kDa (calculated). N-Terminal His-tag, 16 extra AA (highlighted).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Form</b>	Filtered (0.4 μm) and lyophilized in 0.5 mg/mL in 0.05M Acetate buffer pH 4.
<b>Purity</b>	>95%
<b>Research topic</b>	Energy metabolism and body weight regulation.
<b>Reconstitution</b>	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.
<b>Applications</b>	Biologically active protein; ELISA; Western blotting
<b>Quality Control Test</b>	BCA to determine quantity of the protein; SDS PAGE to determine purity of the

 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

	protein
<b>Sequences of amino acids</b>	MRGSHHHHHH GMASHMGPVQ SKSPRFASWD EMNVLAHGLL QLGQGLREHA ERTRSQLSAL ERRLSACGSA CQGTEGSTDL PLAPESRVDP EVLHSLQTQL KAQNSRIQQL FHKVAQQQRH LEKQHLRIQH LQSQFGLLDH KHLDEHEVAKP ARRKRLPEMA QPVDPAHNVS RLHRLPRDCQ ELFQVGERQS GLFEIQPQGS PPFLVNCKMT SDGGWTVIQR
<b>Storage</b>	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.
<b>Pathways</b>	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
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">ANGPTL4</a> <a href="#">angiopoietin-like 4 [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">ANGPTL4</a>
<b>Synonyms</b>	ANGPTL4; angiopoietin-related protein 4; NL2; ARP4; FIAF; PGAR; HFARP; pp1158; ANGPTL2; angiopoietin-related protein 4; angiopoietin-like protein 4; fasting-induced adipose factor; PPARG angiopoietin related protein; hepatic angiopoietin-related protein; hepatic fibrinogen/angiopoietin-related protein; peroxisome proliferator-activated receptor (PPAR) gamma induced angiopoietin-related protein; PP1158;

 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



	PSEC0166; UNQ171/PRO197
<b>Gene ID</b>	51129
<b>mRNA Refseq</b>	NM_139314
<b>Protein Refseq</b>	NP_647475
<b>MIM</b>	605910
<b>UniProt ID</b>	Q9BY76
<b>Chromosome Location</b>	19p13.3
<b>Function</b>	enzyme inhibitor activity; protein binding; 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