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**Product Data Sheet**


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Product Name: ANGPTL4 Human  
 Cat. No.: GP20041  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	ANGPTL4; NL2; ARP4; FIAF; PGAR; HFARP; pp1158; ANGPTL2; Fasting-Induced Adipose Factor; Hepatic Fibrinogen/Angiopoietin-Related Protein; PPARG Angiopoietin-Related Protein.		
Amino Acid Sequence	MRGSHHHHHH GMASHMGPVQ SKSPRFASWD EMNVLAHGLL QLGQGLREHA ERTRSQLSAL ERRLSACGSA CQGTEGSTDL PLAPESRVDP EVLHSLQTQL KAQNSRIQQL FHKVAQQQRH LEKQHLRIQH LQSQFGLLDH KHLDEHVAKP ARRKRLPEMA QPVDPAHNVS RLHRLPRDCQ ELFQVGERQS GLFEIQPQGS PPFLVNCKMT SDGGWTVIQR.		
Solubility	Add 0.2 ml of 0.1M Acetate buffer pH4 and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10 $\mu$ g/ml. In higher concentrations the solubility of this antigen is limited.		
Formulation	Filtered and lyophilized from 0.5 mg/ml in 0.05M Acetate buffer pH-4.		

**Introduction**

FIAF (fasting-induced adipose factor) a.k.a ANGPTL4 or PGAR or HFARP is an adipocytokine up-regulated by fasting, by peroxisome proliferator-activated receptor agonists, and by hypoxia. ANGPTL4 is found in human and mouse blood plasma both as a native protein and in a truncated form. In human white adipose tissue and SGBS adipocytes, only the native form of ANGPTL4 could be detected, whereas in mice the differentiation of mouse 3T3-L1 adipocytes is associated with the production of truncated ANGPTL4. However, the truncated ANGPTL4 is produced by human liver. In human blood plasma FIAF is mainly presented in a truncated form (FIAF-S2), whose levels treatment increases (as shown by experimental data). There is an inter individual variation in ANGPTL4 levels of both the truncated and the native form, however those

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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levels were not influenced by prolonged semistarvation and are not associated with body mass index.

### Stability

Store lyophilized Angiotensin-like Protein 4 Human recombinant at -20°C . Aliquot the ANGPTL4 after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted ANGPTL4 can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C .

### Background

The ANGPTL4 Human Recombinant is manufactured with N-terminal fusion of His Tag. The Angiotensin-like Protein 4 His -Tagged Fusion Protein is 25 kDa protein containing 204 amino acid residues of the Angiotensin-like Protein 4 and 16 additional amino acid residues - His Tag (underlined).

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