



## Product Datasheet

<b>Product Name</b>	Angiotensin-like Protein 4 Human Recombinant
<b>Cata No</b>	CB500151
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	ANGPTL4, NL2, ARP4, FIAF, PGAR, HFARP, pp1158, ANGPTL2, Fasting- Induced Adipose Factor, Hepatic Fibrinogen/Angiotensin-Related Protein, PPARG Angiotensin-Related Protein.

### Description

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

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).

MRGSHHHHHH GMASHMGPVQ SKSPRFASWD  
EMNVLAHGLL QLQGLREHA ERTRSQSLAL  
ERRLSACGSA CQGTEGSTDL PLAPESRVDP  
EVLHSLQTQL KQNSRIQQL FHKVAQQQRH  
LEKQHLRIQH LQSQFGLLDH KHLDEHAVAKP  
ARRKRLPEMA QPVDPAHNVS RLHRLPRDCQ  
ELFQVGERQS GLFEIQPQGS PPFLVNCKMT  
SDGGWTVIQR

### Purity

Greater than 95% as determined by SDS-PAGE.

### Formulation

Sterile filtered and lyophilized from 0.5 mg/ml in 0.05M Acetate buffer pH-4.

### 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. The lyophilized ANGPTL4 remains stable until the expiry date when stored at -20°C.

### Application

Western blotting, ELISA.

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