



## Angiotensin-like Protein 4, FLAG Tag, human recombinant (rHuANGPTL4-FLAG)

**Catalog No:** 97313  
**Lot No:** XXXXX  
**Source:** HEK293  
**Synonyms:** ANGPTL4, NL2, ARP4, FIAF, PGAR, HFARP, pp1158, ANGPTL2, Fasting- Induced Adipose Factor, Hepatic Fibrinogen/Angiotensin-Related Protein, PPARG Angiotensin-Related Protein

### Background

The fasting-induced adipose factor (FIAF, ANGPTL4, PGAR, HFARP) was identified as an adipocytokine up-regulated by fasting, by peroxisome proliferator-activated receptor agonists, and by hypoxia. At the protein level, in human and mouse blood plasma, FIAF was found to be present both as a native protein and in a truncated form. Differentiation of mouse 3T3-L1 adipocytes was associated with the production of truncated FIAF, whereas in human white adipose tissue and SGBS adipocytes, only the native FIAF could be detected. Interestingly, the truncated FIAF was produced by human liver. Experimental data suggest that FIAF is mainly presented in human blood plasma in a truncated form (FIAF-S2), whose level is increased by fenofibrate treatment. Levels of both truncated and native FIAF showed marked inter individual variation but were not associated with body mass index and were not influenced by prolonged semistarvation.

### Description

ANGPTL4 human recombinant is produced with C-terminal fusion of 11 amino acid FLAG Tag. The ANGPTL4 Flag -tagged fusion protein is a 44.2 kDa protein containing 392 amino acid residues of Angiotensin-like protein 4 and 11 additional amino acid residues - FLAG Tag.

### Physical Appearance

Filtered white lyophilized (freeze-dried) powder.

### Formulation

Filtered and lyophilized from 0.5 mg/ml in 20 mM Tris buffer and 50 mM NaCl pH 7.5.

### Solubility

Add pyrogen free water to a working concentration of 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.

### Stability

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

### Purity

Greater than 90% as determined by SDS-PAGE.

**CONTACT US TODAY**

BIOMOL GmbH • Kieler Straße 303a • 22525 Hamburg • Germany • [info@biomol.de](mailto:info@biomol.de) • [www.biomol.de](http://www.biomol.de)

Fon: +49 (0)40-853 260 0 • TOLL FREE IN GERMANY: Fon: 0800-246 66 51



### Amino Acid Sequence

GPVQSKSPRF ASWDEMNVLA HGLLQLGQGL REHAERTRSQ LSALERRLSA CGSACQGTEG STDLPLAPES RVDPEVLHSL  
QTQLKAQNSR IQQLFHKVAQ QQRHLEKQHL RIQHLSQSFG LLDHKHLDHE VAKPARRKRL PEMAQPVDPA HNVSRHLRLP  
RDCQELFQVG ERQSGLFEIQ PQGSPPFLVN CKMTSDGGWT VIQRRHDGSV DFNRPW EAYK AGFGDPHGEF WLGLEKVHSI  
TGDRNSRLAV QLRDWDGNAE LLQFSVHLGG EDTAYSLQLT APVAGQLGAT TVPPSGLSVP FSTWDQDHL RRDKNCAKSL  
SGGWWFGTCS HSNLNGQYFR SIPQQRQK LK KGIFWKTWRG RYYPLQATM LIQPMAAEEA SAAADYKDDD DK

### Applications

WB

### Usage

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