
Product Data Sheet

Product Name: ANGPTL4 Human, HEK

Cat. No.: GP20042

Batch No.: 1

Product Data

Purity	>98%	Source	HEK293.
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	GPVQSKSPRF ASWDEMNVLA HGLLQLGQGL REHAERTRSQ LSALERRLSA CGSACQGTEG STDLPLAPES RVDPEVLHSL QTQLKAQNSR IQQLFHKVAQ QQRHLEKQHL RIQHLQSQFG LLDHKHLDHE VAKPARRKRL PEMAQPVDPA HNVSRLHRLP RDCQELFQVG ERQSGLFEIQ PQGSPFLVN CKMTSDGGWT VIQRRHDGSV DFNRPWEAYK AGFGDPHGEF WLGLEKVHSI TGDRNSRLAV QLRDWDGNAE LLQFSVHLGG EDTAYSLQLT APVAGQLGAT TVPPSGLSVP FSTWDQDHDHDL RRDKNCAKSL SGGWWFGTCS HSNLNGQYFR SIPQQRQKLK KGIFWKTWRG RYYPLQATTM LIQPMAAEAA SAAADYKDDDDK.		
Solubility	Add pyrogen free water to a working concentration of 0.5mg/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.		
Formulation	Filtered and lyophilized from 0.5mg/ml in 20mM Tris buffer and 50mM NaCl pH-7.5.		

Introduction

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

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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.

Stability

Store lyophilized Angiopoietin-like Protein 4 Human recombinant 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 .

Background

The ANGPTL4 Human Recombinant is manufactured with C-terminal fusion of 11 amino acid FLAG Tag. The ANGPTL4 Flag -Tagged Fusion Protein is a 44.2kDa protein containing 392 amino acid residues of the Angiopoietin-like Protein 4 and 11 additional amino acid residues - Flag Tag (underlined).

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