

Recombinant Mouse Angiopoietin-like 4, Coiled-Coil Domain, His-tagged

Cat. No. ANGPTL4-402M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant Human Angiopoietin-like 4 is expressed in *HEK 293 cells*. The signal peptide and the coiled-coil domain of mouse ANGPTL4 (aa 1-162) are fused at the C-terminus to a His-tag.

Species

Mouse

Source

HEK293

ProteinLength

1-162 a.a.

Description

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.

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Purity	Greater than 90% as determined by SDS-PAGE.
Formulation	Liquid. 0.2µm-filtered solution in PBS.
Endotoxin	<1EU/g protein (LAL-test).
Storage	-20°C. Working aliquots are stable for up to 3 months when stored at -20°C. After opening, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	Angptl4 angiopoietin-like 4 [<i>Mus musculus</i>]
Synonyms	ANGPTL4; angiopoietin-like 4; Arp4; Bk89; Fiaf; Ng27; Pgar; Hfarp; Pgarg; Pp1158; angiopoietin-related protein 4; 425O18-1; secreted protein Bk89; fasting-induced adipose factor; fibrinogen/angiopoietin-related protein; major histocompatibility complex region NG27; hepatic fibrinogen/angiopoietin-related protein
Gene ID	57875
mRNA Refseq	NM_020581
Protein Refseq	NP_065606
UniProt ID	Q9Z1P8
Chromosome Location	17 B1
Pathway	PPAR signaling pathway

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Function

enzyme inhibitor activity; molecular_function; receptor binding

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