

## Recombinant Human ANGPTL4, Fibrinogen-like Domain, FLAG-tagged

**Cat. No.** ANGPTL4-403H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Product Overview</b> | Recombinant human Fibrinogen-like domain of ANGPTL4 (angiopoietin-like protein 4) (aa 166-406) produced in <i>HEK 293 cells</i> fused at the N-terminus to a FLAG-tag.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | Human Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Protein Length</b>   | 166-406 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | <p>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.</p> |
| <b>Source/Host</b>      | HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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|--------------------------|-------------------------------------------------------------------------------|
| <b>Purity</b>            | ≥90% (SDS-PAGE).                                                              |
| <b>Formulation</b>       | Liquid. 0.2µm-filtered solution in PBS.                                       |
| <b>Endotoxin Content</b> | <0.1EU/g protein (LAL-test).                                                  |
| <b>Long Term Storage</b> | -20°C.                                                                        |
| <b>Use/Stability</b>     | Working aliquots are stable for up to 3 months when stored at -20°C.          |
| <b>Handling</b>          | After opening, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles. |

## GENE INFORMATION

|                       |                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>      | ANGPTL4 angiopoietin-like 4 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>       | ANGPTL4; angiopoietin-like 4; NL2; ARP4; FIAF; PGAR; HFARP; pp1158; ANGPTL2; fasting-induced adipose factor; PPARG angiopoietin related protein; hepatic angiopoietin-related protein; hepatic fibrinogen/angiopoietin-related protein; peroxisome proliferator-activated receptor (PPAR) gamma; induced angiopoietin-related protein; angiopoietin-related protein 4; PSEC0166, UNQ171/PRO197 |
| <b>Gene ID</b>        | 51129                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>mRNA Refseq</b>    | NM_001039667                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Refseq</b> | NP_001034756                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>MIM</b>            | 605910                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>UniProt ID</b>     | Q9BY76                                                                                                                                                                                                                                                                                                                                                                                         |

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|----------------------------|---------------------------------------------------------------|
| <b>Chromosome Location</b> | 19p13.3                                                       |
| <b>Pathway</b>             | PPAR signaling pathway; Metabolism of lipids and lipoproteins |
| <b>Function</b>            | enzyme inhibitor activity; receptor binding                   |

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