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32-1034: ANGPTL4 Recombinant Protein

Alternative Name :	ANGPTL4,NL2,ARP4,FIAF,PGAR,HFARP,pp1158,ANGPTL2,Fasting- Induced Adipose Factor,Hepatic Fibrinogen/Angiopoietin-Related Protein,PPARG Angiopoietin-Related Protein.

Description

Source : Escherichia Coli. The ANGPTL4 Human Recombinant is manufactured with N-terminal fusion of His Tag. The Angiopoietin-like Protein 4 His -Tagged Fusion Protein is 25 kDa protein containing 204 amino acid residues of the Angiopoietin-like Protein 4 and 16 additional amino acid residues - His Tag . 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.

Product Info

Amount :	10 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	Filtered and lyophilized from 0.5 mg/ml in 0.05M Acetate buffer pH-4.
Storage condition :	Store lyophilized Angiopoietin-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.
Amino Acid :	MRGSHHHHHH GMASHMGPVQ SKSPRFASWD EMNVLAHGLL QLGQGLREHA ERTRSQLSAL ERRLSACGSA CQGTEGSTDL PLAPESRVDP EVLHSLQTQL KAQNSRIQQL FHKVAQQQRH LEKQHLRIQH LQSQFGLLDH KHLDHEVAKP ARRKRLPEMA QPVDPAHNVS RLHRLPRDCQ ELFQVGERQS GLFEIQPQGS PPFLVNCKMT SDGGWTVIQR.

Application Note

Add 0.2 ml of 0.1M Acetate buffer pH4 and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10ÃÂ¼g/ml. In higher concentrations the solubility of this antigen is limited.