



11 Park Drive, Suite 12
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Human Angiopoietin Like Protein-4

ORDERING INFORMATION

Catalog No: rAP-0270

Size: 2 µg; 10µg

Storage: <- 20° C

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

Description: 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 (underlined).
MRGSHHHHHH GMASHMGPVQ SKSPRFASWD EMNVLAHGLL QLGQGLREHA ERTRSQSLAL
ERRLSACGSA CQGTEGSTDL PLAPESRVDP EVLHSLQTQL KQNSRIQQL FHKVAQQQRH
LEKQHLRIQH LQSQFGLLDH KHLDEHAKP ARRKRLPEMA QPVDPAHNVSLRLHRLPRDCQ
ELFQVGERQS GLFEIQPQGS PPFLVNCKMT SDGGWTVIQR

Source: *Escherichia Coli*.

Specificity: The amino acid sequence of the ANGPTL4 Human recombinant is 100% homologous to the 26-229 amino acid sequence of the Angiopoietin-like Protein-4 precursor without signal sequence.

Purification Method: One-step procedure using affinity Ni-NTA chromatography.

Purity: Greater than 95% as determined by SDS-PAGE.

Formulation: Sterile filtered and lyophilized from 0.5 mg/ml in 0.05M Acetate buffer pH-4.

Solubility: 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 10µg/ml. In higher concentrations the solubility of this antigen is limited.

Stability: 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. The lyophilized ANGPTL4 remains stable until the expiry date when stored at -20°C.

Applications: Western blotting, ELISA.

References:

- Mandard S, Zandbergen F, Tan NS, Escher P, Patsouris D, Koenig W, Kleemann R, Bakker A, Veenman F, Wahli W, Muller M, Kersten S.: The direct peroxisome proliferator-activated receptor target fasting-induced adipose factor FIAF/PGAR/ANGPTL4) is present in blood plasma as a truncated protein that is increased by fenofibrate treatment. J Biol Chem. 2004 Aug 13;279(33):34411-20. Epub 2004 Jun 9.
- Koster A, Chao YB, Mosior M, Ford A, Gonzalez-DeWhitt PA, Hale JE, Li D, Qiu Y, Fraser CC, Yang DD, Heuer JG, Jaskunas SR, Eacho P. Transgenic angiopoietin-like (angptl)4 overexpression and targeted disruption of angptl4 and angptl3: regulation of triglyceride metabolism. Endocrinology. 2005 Nov;146(11):4943-50. Epub 2005 Aug 4.

Usage: Angio-Proteomie's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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