

Angiopoietin-like Protein 4 Recombinant Protein | ANGPTL4 recombinant protein

Recombinant Human Angiopoietin-like Protein 4

CATALOG #
AAA38131

PRODUCT SYNONYMS

Angiopoietin-like Protein 4; Recombinant Human Angiopoietin-like Protein 4; ANGPTL4 Human; Angiopoietin-like Protein 4 Human Recombinant; ANGPTL4; NL2; ARP4; FIAF; PGAR; HFARP; pp1158; ANGPTL2; Fasting- Induced Adipose Factor; Hepatic Fibrinogen/Angiopoietin-Related Protein; PPARG Angiopoietin-Related Protein; ANGPTL4 recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	Filtered and lyophilized from 0.5 mg/ml in 0.05M Acetate buffer pH-4. Filtered White lyophilized (freeze-dried) powder.
Sequence	<u>MRGSHHH HHHGMASHM< /u>GPVQSKS PRFASWDEMN VLAHGLQLG QGLREHAERT RSQLSALERR</u> <u>LSACGSACQG TEGSTDPLA PESRDPEVL HSLQTQLKAQ NSRIQQLFHK VAQQQRHLEK QHLRIQHLQS</u> <u>QFGLLDHKHL DHEVAKPARR KRLPEMAQPV DPAHNVSRLH RLPRDCQELF QVGERQSGLF EIQPQGSPPF</u> <u>LVNCKMTSDG GWTVIQR</u>
Sequence Length	368
Source	Escherichia Coli.
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 10ug/ml. In higher concentrations the solubility of this antigen is limited.
Preparation and Storage	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.

ADDITIONAL INFORMATION

Related Product Information for ANGPTL4 recombinant 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). Introduction: 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 Categories/Family for ANGPTL4 recombinant protein	Cytokines and Growth Factors; Cytokines; Angiopoietin

NCBI AND UNIPROT INFORMATION

NCBI GI #	89264696
-----------	----------

NCBI GeneID	51129
NCBI Accession #	NP_001034756.1
NCBI GenBank Nucleotide #	NM_001039667.2
UniProt Accession #	Q9BY76 ; Q53HQ6 ; Q53HU1 ; Q6UXN0 ; Q9HBV4 ; Q9NZU4 ; Q9Y5B3 ; A8MY84 ; B4E089 ; D6W670 ; F5H0I2
Molecular Weight	26,853 Da
NCBI Official Full Name	angiopoietin-related protein 4 isoform b
NCBI Official Synonym Full Names	angiopoietin-like 4
NCBI Official Symbol	ANGPTL4
NCBI Official Synonym Symbols	NL2; ARP4; FIAF; HARP; PGAR; HFARP; TGQTL; UNQ171; pp1158; ANGPTL2
NCBI Protein Information	angiopoietin-related protein 4; PPARG angiopoietin related protein; fasting-induced adipose factor; hepatic angiopoietin-related protein; hepatic fibrinogen/angiopoietin-related protein; peroxisome proliferator-activated receptor (PPAR) gamma induced angiopoietin-related protein
UniProt Protein Name	Angiopoietin-related protein 4
UniProt Gene Name	ANGPTL4
UniProt Synonym Gene Names	ARP4; HFARP; PGAR; HFARP
UniProt Entry Name	ANGL4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/angptl4-recombinant-protein/38131>