

Angiopoietin-like Protein 4 Recombinant Protein | ANGPTL4 recombinant protein

Recombinant Human Angiopoietin-like Protein 4, HEK

CATALOG # AAA38749	HOST HEK293	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

Angiopoietin-like Protein 4; Recombinant Human Angiopoietin-like Protein 4; HEK; 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

Host	HEK293
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	Filtered and lyophilized from 0.5mg/ml in 20mM Tris buffer and 50mM NaCl pH-7.5.
Sequence	GPVQSKSPRF ASWDEMNVLA HGLLQLGQGL REHAERTRSQ LSALERRLSA CGSACQGTEG STDPLAPES RVDPEVLHSL QTQLKAQNSR IQQLFHKVAQ QQRHLEKQHL RIQHLQSQFG LLDHKHLDHE VAKPARRKRL PEMAQPVDP A HNVSRHLRLP RDCQELFQVG ERQSGLFEIQ PQGSPFLVN CKMTSDGGWT VIQRRHDGSV DFNRPWEAYK AGFGDPHGEF WLGLEKVHSI TGDRNSRLAV QLRDWDGNAE LLQFSVHLGG EDTAYSLQLT APVAGQLGAT TVPPSGLSVP FSTWDQDHD L RRDKNCAKSL SGGWWFGTCS HSNLNGQYFR SIPQQRQKLK KGIFWKTWRG RYYPLQATTM LIQPMAAEAA SAAADYKDDD DK
Sequence Length	368
Applicable Applications for ANGPTL4 recombinant protein	WB (Western Blot)
Source	HEK293.
Solubility	Add pyrogen free water to a working concentration of 0.5mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
Physical Appearance	Filtered White lyophilized (freeze-dried) powder.
Preparation and Storage	Store lyophilized Angiopoietin-like Protein 4 Human recombinant at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein 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 C-terminal fusion of 11 amino acid DYKDDDDK tag. The ANGPTL4 DYKDDDDK-Tagged Fusion Protein is a 44.2kDa protein containing 392 amino acid residues of the Angiopoietin-like Protein 4 and 11 additional amino acid residues - DYKDDDDK tag (underlined). Introduction: 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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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://stage.aaabiotech.com/angptl4-recombinant-protein-hek293-wb-western-blot/38749>