

Recombinant Full Length Human ANGPTL4 Protein, GST-tagged

Cat. No. ANGPTL4-1271HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ANGPTL4 full-length ORF (AAH23647.1, 26 a.a. - 406 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	406 amino acids
Description	This gene encodes a glycosylated, secreted protein containing a C-terminal fibrinogen domain. The encoded protein is induced by peroxisome proliferation activators and functions as a serum hormone that regulates glucose homeostasis, lipid metabolism, and insulin sensitivity. This protein can also act as an apoptosis survival factor for vascular endothelial cells and can prevent metastasis by inhibiting vascular growth and tumor cell invasion. The C-terminal domain may be proteolytically-cleaved from the full-length secreted protein. Decreased expression of this gene has been associated with type 2 diabetes. Alternative splicing results in multiple transcript variants. This gene was previously referred to as ANGPTL2 but has been renamed ANGPTL4. [provided by RefSeq, Sep 2013]
Molecular Mass	67.65 kDa
AA Sequence	GPVQSKSPRF ASWDEMNVL A HGLLQLGQGL REHAERTRSQ LSALERRLSA CGSACQGTEG STDPLAPES RVDPEVLHSL QTQLKAQNSR IQQLFHKVAQ

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QQRHLEKQHL RIQHLQSQFG LLDHKHLDHE VAKPARRKRL PEMAQPVDPA
 HNVSRLHRLP RDCQELFQVG ERQSGLFIEQ PQGSPFLVN CKMTSDGGWT
 VIQRRHDGSV DFNRPWEAYK AGFGDPHGEF WLGLEKVHSI TGDRNSRLAV
 QLRDWDGNAE LLQFSVHLGG EDTAYSLQLT APVAGQLGAT TVPPSGLSVP
 FSTWDQDHDH RRDKNCAKSL SGGWWFGTCS HSNLNGQYFR SIPQQRQKLK
 KGIFWKTWRG RYHPLQATTM LIQPIAAEAA S

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION
Gene Name

ANGPTL4 angiopoietin-like 4 [Homo sapiens]

Official Symbol

ANGPTL4

Synonyms

ANGPTL4; angiopoietin-like 4; angiopoietin-related protein 4; angiopoietin related protein 4; ARP4; fasting induced adipose factor; FIAF; hepatic angiopoietin related protein; hepatic fibrinogen/angiopoietin related protein; HFARP; NL2; peroxisome proliferator activated receptor (PPAR) gamma induced angiopoietin related protein; PGAR; pp1158; PPARG angiopoietin related protein; angiopoietin-like protein 4; fasting-induced adipose factor; hepatic angiopoietin-related protein; hepatic fibrinogen/angiopoietin-related protein; peroxisome proliferator-activated receptor (PPAR) gamma induced angiopoietin-related protein; ANGPTL2

Gene ID

51129

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mRNA Refseq	NM_001039667
Protein Refseq	NP_001034756
MIM	605910
UniProt ID	Q9BY76

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