

Recombinant Human ANGPTL4 protein, His & GST-tagged

Cat. No. ANGPTL4-5742H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ANGPTL4 aa. (His182~Tyr388) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	His182~Tyr388
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.
Form	Freeze-dried powder
Molecular Mass	53&35kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	>95%
Characteristic	The isoelectric point is 7.3.
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200µg/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	ANGPTL4 angiopoietin like 4 [Homo sapiens (human)]
Official Symbol	ANGPTL4
Synonyms	ANGPTL4; angiopoietin like 4; NL2; ARP4; FIAF; HARP; PGAR; HFARP; TGQTL; UNQ171; pp1158; angiopoietin-related protein 4; PPARG angiopoietin related protein; fasting-induced adipose factor; hepatic angiopoietin-related protein; hepatic

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fibrinogen/angiopoietin-related protein; peroxisome proliferator-activated receptor (PPAR) gamma induced angiopoietin-related protein

Gene ID	51129
mRNA Refseq	NM_001039667.2
Protein Refseq	NP_001034756.1
UniProt ID	Q9BY76

SDS-PAGE

