

Datasheet for ABIN7519677
ANGPTL4 Protein (His tag)



[Go to Product page](#)

Overview

Quantity:	20 µg
Target:	ANGPTL4
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ANGPTL4 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Angiopoietin-like 4/ANGPTL4 Protein
Specificity:	Pro166-Ser406
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	< 1 EU/µg of the protein by LAL method.

Target Details

Target:	ANGPTL4
Alternative Name:	Angiopoietin-like 4/ANGPTL4 (ANGPTL4 Products)
Background:	Description: Angiopoietin-related protein 4 (ANGPTL4) is a secreted protein and contains 1 fibrinogen C-terminal domain. The protein may act as a regulator of angiogenesis and modulate tumorigenesis. It inhibits proliferation, migration, and tubule formation of endothelial cells and reduces vascular leakage. ANGPTL4 may exert a protective function on endothelial cells

Target Details

through an endocrine action. It is directly involved in regulating glucose homeostasis, lipid metabolism, and insulin sensitivity (By similarity). In response to hypoxia, the unprocessed form of the protein accumulates in the subendothelial extracellular matrix (ECM). The matrix-associated and immobilized unprocessed form limits the formation of actin stress fibers and focal contacts in the adhering endothelial cells and inhibits their adhesion. It also decreases motility of endothelial cells and inhibits the sprouting and tube formation.

Name: ANGPTL4,ARP4,FIAF,HARP,HFARP,NL2,PGAR,TGQTL,UNQ171,pp1158

Gene ID: 51129

UniProt: [Q9BY76](#)

Pathways: [Regulation of Lipid Metabolism by PPARalpha](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Concentration: 0.8 mg/mL

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: -20 °C,-80 °C

Storage Comment: Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.