Datasheet for ABIN1344308

ANGPTL4 Protein (AA 166-406, Fibrinogen-like Domain) (DYKDDDDK Tag)

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Overview

Quantity:	10 µg
Target:	ANGPTL4
Protein Characteristics:	Fibrinogen-like Domain, AA 166-406
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ANGPTL4 protein is labelled with DYKDDDDK Tag.
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	ANGPTL4 (fibrinogen-like domain) (human) (rec.)
Cross-Reactivity:	Human
Characteristics:	Fibrinogen-like domain of human ANGPTL4 (aa 166-406) is fused at the N-terminus to a FLAG®-tag.
Purity:	>90 % (SDS-PAGE)
Sterility:	Sterile filtered
Endotoxin Level:	<0.1EU/µg purified protein (LAL test).

Target Details

Target:	ANGPTL4

Target Details

Alternative Name:	ANGPTL4 (ANGPTL4 Products)
Background:	Angiopoietin-like Protein 4, FIAF, Fasting-induced Adipose Factor, HFARP, Hepatic Fibrinogen/Angiopoietin-related Protein ANGPTL4 (Angiopoietin-like protein 4) mainly expressed in endothelial cells (hypoxia-induced). Regulates angiogenesis and modulates tumorigenesis and directly regulates lipid, glucose, and energy metabolism. Inhibits proliferation, migration, and tubule formation of endothelial cells and reduces vascular leakage. ANGPTL4 is a protein consisting of an N-terminal coiled-coil domain and a C-terminal fibrinogen-like domain (FLD). Both domains have distinct biological functions. The coiled-coil domain is responsible for the inhibitory effects on lipoprotein lipase (LPL) converting the active form of LPL into an inactive form, and the FLD domain mediates its antiangiogenic functions. The coiled coil and the FLD domains are separated by a short linker that can be cleaved after secretion. ANGPTL4 appears on the cell surface as the full-length form, where it can be released by heparin treatment. ANGPTL4 protein is then proteolytically cleaved by proprotein convertases (PCs), including furin, PC5/6, paired basic amino acid-cleaving enzyme 4, and PC7.
Molecular Weight:	~35kDa (SDS-PAGE)
UniProt:	Q9BY76
Pathways:	Regulation of Lipid Metabolism by PPARalpha

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	0.2μm-filtered solution in PBS.
Handling Advice:	After opening, prepare aliquots and store at -20 °C. Avoid freeze/thaw cycles. For maximum product recovery after thawing, centrifuge the vial before opening the cap.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C

Handling

	Long Term Storage: -20°C Use & Stability: Stable for at least 6 months after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
Expiry Date:	6 months