

Datasheet for ABIN1344082

ANGPTL4 Protein (AA 1-410) (DYKDDDDK Tag)[Go to Product page](#)

Overview

Quantity:	10 µg
Target:	ANGPTL4
Protein Characteristics:	AA 1-410
Origin:	Mouse
Source:	COS-7 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ANGPTL4 protein is labelled with DYKDDDDK Tag.
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	ANGPTL4 (mouse) (rec.)
Cross-Reactivity:	Mouse
Characteristics:	Mouse ANGPTL4 (aa 1-410) is fused at the C-terminus to a FLAG®-tag.
Purity:	>90 % (SDS-PAGE)
Sterility:	Sterile filtered
Endotoxin Level:	<0.1 EU/µg purified protein (LAL test).
Biological Activity Comment:	Activates ERK phosphorylation in THP-1 cells.

Target Details

Target:	ANGPTL4
Alternative Name:	ANGPTL4 (ANGPTL4 Products)
Background:	<p>Angiopoietin-like Protein 4, FIAF, Fasting-induced Adipose Factor, HFARP, Hepatic Fibrinogen/Angiopoietin-related Protein</p> <p>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.</p>
Molecular Weight:	~50kDa (SDS-PAGE)
UniProt:	Q9Z1P8
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

Handling

Storage Comment: Short Term Storage: +4°C
 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