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Datasheet for ABIN1344082  
**ANGPTL4 Protein (AA 1-410) (DYKDDDDK Tag)**

### 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

Cross-Reactivity:	Mouse (Murine)
Characteristics:	Mouse ANGPTL4 (aa 1-410) is fused at the C-terminus to a FLAG®-tag.
Purity:	>90 % (SDS-PAGE)
Sterility:	0.2 µm filtered
Endotoxin Level:	<0.1EU/µg purified protein (LAL test, Lonza).

### Target Details

Target:	ANGPTL4
Alternative Name:	ANGPTL4 ( <a href="#">ANGPTL4 Products</a> )

## Target Details

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**Background:** 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.

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**Molecular Weight:** ~50kDa (SDS-PAGE)

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**UniProt:** [Q9Z1P8](#)

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

## Application Details

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**Application Notes:** Optimal working dilution should be determined by the investigator.

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**Comment:** Activates ERK phosphorylation in THP-1 cells.

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** Lot specific

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**Buffer:** 0.2µm-filtered solution in PBS.

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**Storage:** 4 °C, -20 °C

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**Storage Comment:** Short Term Storage: +4°C  
Long Term Storage: -20°C  
Working aliquots are stable for up to 3 months when stored at -20°C.

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**Expiry Date:** 3 months