



ANGPTL4 Recombinant Protein

Cat. No.: 90-074




Ψ Specifications

SPECIES:	Mouse
SOURCE SPECIES:	COS-7 cells
SEQUENCE:	Mouse ANGPTL4 (aa 1-410) is fused at the C-terminus to a DDDDK-tag.
FUSION TAG:	DDDDK Tag
TESTED APPLICATIONS:	
APPLICATIONS:	This recombinant proteins is for research use only.

Ψ Properties

PURITY:	>90% (SDS-PAGE). Endotoxin level is less than 0.1EU/ µg purified protein (LAL test; Lonza).
PHYSICAL STATE:	Liquid
BUFFER:	0.2um-filtered solution in PBS.
CONCENTRATION:	1mg/ml
STORAGE CONDITIONS:	Working aliquots are stable for up to 3 months when stored at -20° C.

OFFICIAL SYMBOL:	Angptl4
ALTERNATE NAMES:	Angiopoietin-like Protein 4, FIAF, Fasting-induced Adipose Factor, HFARP, Hepatic Fibrinogen/Angiopoietin-related Protein
ACCESSION NO.:	Q9Z1P8
PROTEIN GI NO.:	25008127
GENE ID:	57875

 Background and References

BACKGROUND:	<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>
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