Datasheet for ABIN1046545

ANGPTL4 Protein (AA 28-403, partial) (GST tag)

1 Image

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Overview

Quantity:	100 µg
Target:	ANGPTL4
Protein Characteristics:	AA 28-403, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ANGPTL4 protein is labelled with GST tag.
Application:	ELISA

Product Details

Sequence:	VQSKSPRFAS WDEMNVLAHG LLQLGQGLRE HAERTRSQLS ALERRLSACG SACQGTEGST DLPLAPESRV DPEVLHSLQT QLKAQNSRIQ QLFHKVAQQQ RHLEKQHLRI QHLQSQFGLL DHKHLDHEVA KPARRKRLPE MAQPVDPAHN VSRLHRLPRD CQELFQVGER QSGLFEIQPQ GSPPFLVNCK MTSDGGWTVI QRRHDGSVDF NRPWEAYKAG FGDPHGEFWL GLEKVHSITG DRNSRLAVQL RDWDGNAELL QFSVHLGGED TAYSLQLTAP VAGQLGATTV PPSGLSVPFS TWDQDHDLRR DKNCAKSLSG GWWFGTCSHS NLNGQYFRSI PQQRQKLKKG IFWKTWRGRY YPLQATTMLI QPMAAE
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	90 %

Target Details

Target:	ANGPTL4
Alternative Name:	Angiopoietin-related protein 4 (ANGPTL4 Products)
Background:	Protein with hypoxia-induced expression in endothelial cells. May act as a regulator of angiogenesis and modulate tumorgenesis. Inhibits proliferation, migration, and tubule formation of endothelial cells and reduces vascular leakage. May exert a protective function on endothelial cells through an endocrine action. It is directly involved in regulating glucose homeostasis, lipid metabolism, and insulin sensitivity. 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 By similarity.
Molecular Weight:	69.9 kD
UniProt:	Q9BY76
Pathways:	Regulation of Lipid Metabolism by PPARalpha

Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

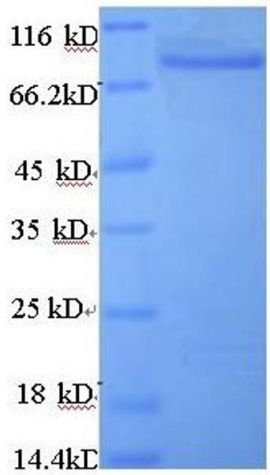
Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol

Handling

Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C for extended storage, conserve at -20 °C or -80 °C

Images



SDS-PAGE

Image 1. Angiopoietin-Like 4 (ANGPTL4) (AA 28-403), (partial) protein (GST tag)