

Recombinant Human Angiopoietin-like 4/ANGPTL4 protein (His tag) ab191677

1 图像

描述

产品名称	重组人Angiopoietin-like 4/ANGPTL4蛋白(His tag)
纯度	> 95 % SDS-PAGE. ab191677 is lyophilized from 0.22 µm filtered solution.
内毒素水平	< 1.000 Eu/µg
表达系统	HEK 293 cells
Accession	<u>Q9BY76</u>
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Human
序列	PEMAQPVDPAHNVSRLHRLPRDCQELFQVGERQSGLFEIQPQ GSPFFLVN CKMTSDGGWTVIQRRHDGSVDFNRPWEAYKAGFGDPHGFEWL GLEKVHSI TGDRNSRLAVQLRDWDGNAELLQFSVHLGGEDTAYSLQLTAP VAGQLGAT TVPPSGLSVPFSTWDQDHLRRDKNCAKSLSGGWVFGTCSHS NLNGQYFR SIPQQRQKLKKGIFWKTWRGRYYPLQATTMLIQPMAAEAAAS
预测分子量	28 kDa including tags
分子量信息	The protein has a calculated MW of 27.9 kDa. The protein migrates as 31-35 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
氨基酸	166 to 406
标签	His tag N-Terminus
额外的序列信息	NP_647475

技术指标

Our **Abpromise guarantee** covers the use of **ab191677** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE
形式	Lyophilized
补充说明	This product was previously labelled as Angiopoietin-like 4

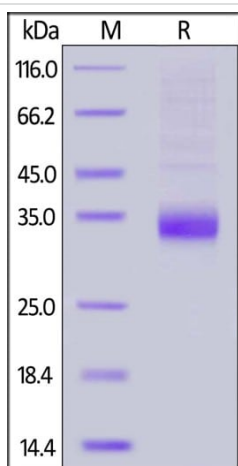
制备和贮存

稳定性和存储	<p>Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.</p> <p>pH: 7.4</p> <p>Constituents: 1.045% MOPS, 0.58% Sodium chloride, 0.1% CHAPS</p> <p>5-10% trehalose is commonly used for freeze drying, and after reconstitution, the trehalose is mostly about 3-5%</p>
复溶	Reconstitute with sterile deionized water to a concentration of 200 µg/ml.

常规信息

功能	Protein with hypoxia-induced expression in endothelial cells. May act as a regulator of angiogenesis and modulate tumorigenesis. 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.
组织特异性	Expressed at high levels in the placenta, heart, liver, muscle, pancreas and lung but expressed poorly in the brain and kidney.
序列相似性	Contains 1 fibrinogen C-terminal domain.
翻译后修饰	N-glycosylated.
细胞定位	Secreted. Secreted > extracellular space > extracellular matrix. The unprocessed form interacts with the extracellular matrix. This may constitute a dynamic reservoir, a regulatory mechanism of the bioavailability of ANGPTL4.

图片



ab191677 on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%. The protein migrates as 33-38 kDa under reducing condition due to glycosylation.

SDS-PAGE - Recombinant Human Angiopoietin-like 4/ANGPTL4 protein (His tag) (ab191677)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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