abcam

Product datasheet

Recombinant Human ABCA1 protein ab125995

1 References

描述

产品名称	重组人ABCA1蛋白
纯度	> 90 % SDS-PAGE. Purified via His tag
表达系统	Escherichia coli
Accession	Q84M24
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Human
序列	NCALSVVKEGRSVVLTSHSMEECEALCTRMAIMVNGRFRCLG SVQHLKNR FGDGYTIVVRIAGSNPDLKPVQDFFGLAFPGSVLKEKHRNML QYQLPSSL SSLARIFSILSQSKKRLHIEDYSVSQTTLDQVFVNFAKDQSD DDHLKDLS LHKNQTVVDVA
氨基酸	2085 to 2245

技术指标

Our **Abpromise guarantee** covers the use of **ab125995** 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

制备和贮存

稳定性和存储	Shipped at 4°C. Store at -20°C. Constituents: 0.32% Tris HCl, 0.58% Sodium chloride, 0.2% Guanidine HCl
复溶	Reconstitute with water to desired concentration.

常规信息

功能	cAMP-dependent and sulfonylurea-sensitive anion transporter. Key gatekeeper influencing intracellular cholesterol transport.
组织特异性	Widely expressed, but most abundant in macrophages.
疾病相关	Defects in ABCA1 are a cause of high density lipoprotein deficiency type 1 (HDLD1) [MIM:205400]; also known as analphalipoproteinemia or Tangier disease (TGD). HDLD1 is a recessive disorder characterized by absence of high density lipoprotein (HDL) cholesterol from plasma, accumulation of cholesteryl esters, premature coronary artery disease (CAD), hepatosplenomegaly, recurrent peripheral neuropathy and progressive muscle wasting and weakness. Defects in ABCA1 are a cause of high density lipoprotein deficiency type 2 (HDLD2) [MIM:604091]; also known as familial hypoalphalipoproteinemia (FHA). HDLD2 is inherited as autosomal dominant trait. It is characterized by moderately low HDL cholesterol, predilection toward premature coronary artery disease (CAD) and a reduction in cellular cholesterol efflux.
序列相似性	Belongs to the ABC transporter superfamily. ABCA family. Contains 2 ABC transporter domains.
结构域	Multifunctional polypeptide with two homologous halves, each containing an hydrophobic membrane-anchoring domain and an ATP binding cassette (ABC) domain.
翻译后修饰	Phosphorylation on Ser-2054 regulates phospholipid efflux. Palmitoylation by DHHC8 is essential for membrane localization.
细胞定位	Membrane.