abcam

Product datasheet

Recombinant Human CYB5R3 protein ab119468

1 图像

概述

产品名称	重组人CYB5R3蛋白
蛋白长度	Full length protein

描述

性质	Recombinant
来源	Escherichia coli

氨基酸序列

Accession	P00387
种属	Human
序列	MGSSHHHHHH SSGLVPRGSH MGSHMFQRST PAITLESPDI KYPLRLIDRE IISHDTRRFR FALPSPQHIL GLPVGQHIYL SARIDGNLVV RPYTPISSDD DKGFVDLVIK VYFKDTHPKF PAGGKMSQYL ESMQIGDTIE FRGPSGLLVY QGKGKFAIRP DKKSNPIIRT VKSVGMIAGG TGITPMLQVI RAIMKDPDDH TVCHLLFANQ TEKDILLRPE LEELRNKHSA RFKLWYTLDR APEAWDYGQG FVNEEMIRDH LPPPEEEPLV LMCGPPPMIQ YACLPNLDHV GHPTERCFVF
分子量	34 kDa including tags
氨基酸	27 to 301
标签	His tag N-Terminus

技术指标

Our Abpromise guarantee covers the use of **ab119468** in the following tested applications.

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

应用	Mass Spectrometry
	SDS-PAGE
质谱法	MALDI-TOF

纯度	> 95 % SDS-PAGE. ab119468 was purified using conventional chromatography.
形式	Liquid

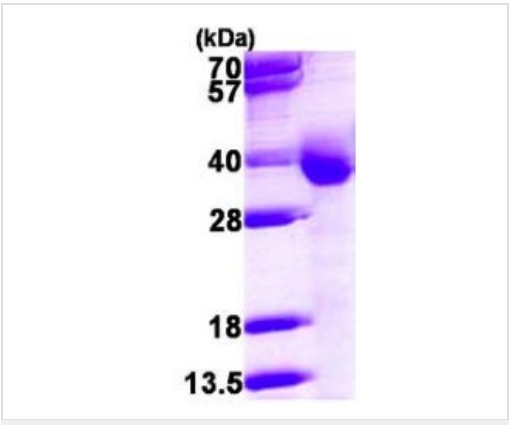
制备和贮存

稳定性和存储	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.32% Tris HCl, 0.02% DTT, 10% Glycerol, 0.58% Sodium chloride

常规信息

功能	Desaturation and elongation of fatty acids, cholesterol biosynthesis, drug metabolism, and, in erythrocyte, methemoglobin reduction.
组织特异性	Isoform 2 is expressed at late stages of erythroid maturation.
疾病相关	Defects in CYB5R3 are the cause of methemoglobinemia CYB5R3-related (METHB-CYB5R3) [MIM:250800]. A form of methemoglobinemia, a hematologic disease characterized by the presence of excessive amounts of methemoglobin in blood cells, resulting in decreased oxygen carrying capacity of the blood, cyanosis and hypoxia. There are two types of methemoglobinemia CYB5R3-related. In type 1, the defect affects the soluble form of the enzyme, is restricted to red blood cells, and causes well-tolerated methemoglobinemia. In type 2, the defect affects both the soluble and microsomal forms of the enzyme and is thus generalized, affecting red cells, leukocytes and all body tissues. Type 2 methemoglobinemia is associated with mental deficiency and other neurologic symptoms.
序列相似性	Belongs to the flavoprotein pyridine nucleotide cytochrome reductase family. Contains 1 FAD-binding FR-type domain.
细胞定位	Endoplasmic reticulum membrane. Mitochondrion outer membrane and Cytoplasm. Produces the soluble form found in erythrocytes.

图片



SDS-PAGE - CYB5R3 protein (ab119468)

15% SDS-PAGE analysis of ab119468 (3µg)

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