

Recombinant Human P4HB protein ab115719

2 图像

描述

产品名称	重组人P4HB蛋白
生物活性	>200U/mg
纯度	> 95 % SDS-PAGE. ab115719 is purified by multi-step chromatography.
表达系统	Escherichia coli
Accession	<u>P07237</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
预测分子量	58 kDa
标签	His tag N-Terminus

技术指标

Our **Abpromise guarantee** covers the use of **ab115719** in the following tested applications.

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

应用	Western blot Functional Studies SDS-PAGE
形式	Liquid
补充说明	>200U/mg

制备和贮存

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. Constituents: 0.02% (R*,R*)-1,4-Dimercaptobutan-2,3-diol, 0.61% Tris, 0.03% EDTA, 5% Glycerol (glycerin, glycerine), 0.88% Sodium chloride
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常规信息

功能

This multifunctional protein catalyzes the formation, breakage and rearrangement of disulfide bonds. At the cell surface, seems to act as a reductase that cleaves disulfide bonds of proteins attached to the cell. May therefore cause structural modifications of exofacial proteins. Inside the cell, seems to form/rearrange disulfide bonds of nascent proteins. At high concentrations, functions as a chaperone that inhibits aggregation of misfolded proteins. At low concentrations, facilitates aggregation (anti-chaperone activity). May be involved with other chaperones in the structural modification of the TG precursor in hormone biogenesis. Also acts a structural subunit of various enzymes such as prolyl 4-hydroxylase and microsomal triacylglycerol transfer protein MTTP.

序列相似性

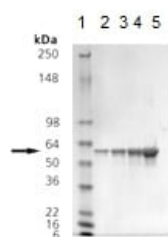
Belongs to the protein disulfide isomerase family.

Contains 2 thioredoxin domains.

细胞定位

Endoplasmic reticulum lumen. Melanosome. Cell membrane. Highly abundant. In some cell types, seems to be also secreted or associated with the plasma membrane, where it undergoes constant shedding and replacement from intracellular sources (Probable). Localizes near CD4-enriched regions on lymphoid cell surfaces. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

图片



SDS-PAGE - Recombinant Human P4HB protein
(ab115719)

SDS-PAGE analysis

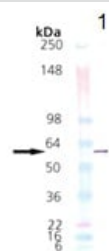
Lane 1: MW marker

Lane 2: ab115719 at 0.5 µg

Lane 3: ab115719 at 1 µg

Lane 4: ab115719 at 2 µg

Lane 5: ab115719 at 5 µg



Western blot - Recombinant Human P4HB protein
(ab115719)

Monoclonal mouse P4HB antibody + Recombinant Human P4HB
protein (ab115719) at 0.05 µg

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