

Product datasheet

Recombinant Human Cytochrome b5 protein (His tag) ab235880

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Description

Product name	Recombinant Human Cytochrome b5 protein (His tag)
Purity	> 90 % SDS-PAGE. Affinity purified
Endotoxin level	< 1.000 Eu/μg
Expression system	Baculovirus infected insect cells
Accession	<u>P00167-1</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	ADPMAEQSDEAVKYYTLEEIQKHNSKSTWLILHHKVYDL TKFLEEHPGG EEVLREQAGGDATENFEDVGHSTDAREMSKTFIIGELHPD DRPKLNKPPE TLITTIDSSSSHHHHHH
Predicted molecular weight	13 kDa including tags
Amino acids	1 to 108
Tags	His tag C-Terminus
Additional sequence information	NP_683725.

Specifications

Our **Abpromise guarantee** covers the use of **ab235880** in the following tested applications.

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

Applications	SDS-PAGE
Form	Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -

80°C. Avoid freeze / thaw cycle.

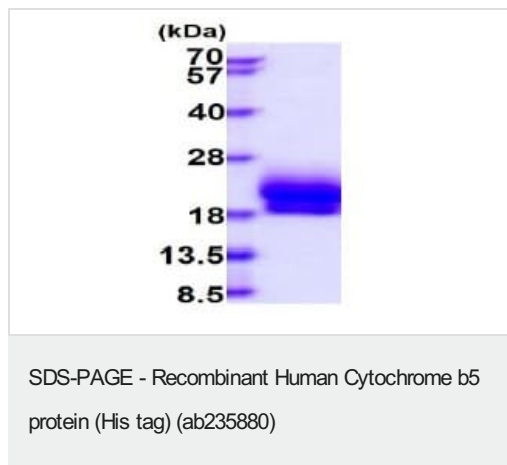
pH: 7.40

Constituents: PBS, 10% Glycerol (glycerin, glycerine)

General Info

Function	Cytochrome b5 is a membrane bound hemoprotein which function as an electron carrier for several membrane bound oxygenases.
Involvement in disease	Defects in CYB5A are the cause of methemoglobinemia CYB5A-related (METHB-CYB5A) [MIM:250790]. 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.
Sequence similarities	Belongs to the cytochrome b5 family. Contains 1 cytochrome b5 heme-binding domain.
Cellular localization	Cytoplasm and Endoplasmic reticulum membrane. Microsome membrane.

Images



15% SDS-PAGE analysis of 3 µg ab235880.

18-28 kDa (Under reducing conditions)

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

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- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours
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