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Datasheet for ABIN1096509

Cytochrome b5 (CYTB5) (AA 2-134) protein (His tag)

Overview

Quantity:	50 µg
Target:	Cytochrome b5 (CYTB5)
Protein Characteristics:	AA 2-134
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

Product Details

Purpose:	Recombinant Human Cytochrome b5/CYB5A (N-6His)
Sequence:	MGSSHHHHHH SSSLVPRGSH MAEQSDEAVK YYTLEEIQKH NHKSTWLIL HHKVYDLTKF LEEHPGGEEV LREQAGGDAT ENFEDVGHST DAREMSKTFI IGLHPDDRP KLNKPPETLI TTIDSSSSWW TNWVIPAISA VAVALMYRLY MAED
Characteristics:	Recombinant Human Cytochrome b5/CYB5A is produced by our E. coli expression system. The target protein is expressed with sequence (Ala2-Asp134) of Human CYB5A fused with a His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	Cytochrome b5 (CYTB5)
Alternative Name:	Cytochrome-b5 (CYTB5 Products)
Sub Type:	Fusionprotein
Background:	<p>Cytochrome b5 (CYB5A) is a membrane bound hemoprotein which function as an electron carrier for several membrane bound oxygenases. CYB5A contains one cytochrome b5 heme-binding domain and has two isoforms produced by alternative splicing. Isoform 1 is a single-pass membrane protein. Isoform 2 is located in cytoplasm. The defects in CYB5A can result in type IV hereditary methemoglobinemia.</p> <p>Alternative Names: Cytochrome b5, Microsomal Cytochrome b5 Type A, MCB5, CYB5A, CYB5</p>
Molecular Weight:	17.5 kDa
UniProt:	P00167

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 0.1 mM EDTA, pH 7.25.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months