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## Datasheet for ABIN7318385 CYB5A Protein (His tag)

### Overview

Quantity:	50 µg
Target:	CYB5A
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CYB5A protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Cytochrome b5/CYB5A Protein (His Tag)
Sequence:	Met 1-Asp134
Characteristics:	Recombinant Human Cytochrome b5 type A is produced by our E.coli expression system and the target gene encoding Met1-Asp134 is expressed with a 6His tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	CYB5A
Alternative Name:	Cytochrome b5/CYB5A ( <a href="#">CYB5A Products</a> )
Background:	Background: 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

## Target Details

single-pass membrane protein. Isoform 2 is located in cytoplasm. The defects in CYB5A can result in type IV hereditary methemoglobinemia.

Synonym: Cytochrome b5, Microsomal Cytochrome b5 Type A, MCB5, CYB5A, CYB5

Molecular Weight: 17.5 kDa

UniProt: [P00167](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 0.1 mM EDTA, pH 7.25.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.