

# Recombinant Human Cytochrome b5 B/CYB5B Protein (His Tag)



Catalog Number:PKSH032333

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

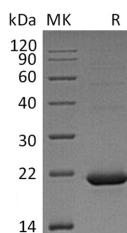
## Description

<b>Synonyms</b>	Cytochrome b5 outer mitochondrial membrane isoform;OMB5
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Lys12-Cys118
<b>Accession</b>	AAH04373.1
<b>Calculated Molecular Weight</b>	13.1 kDa
<b>Observed molecular weight</b>	22 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per $\mu$ g of the protein as determined by the LAL method.
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 $\mu$ m filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Reconstitution</b>	Please refer to the specific buffer information in the printed manual
	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Cytochrome b5 type B (CYB5B) is a membrane of the cytochrome b5 family. It contains 1 cytochrome b5 heme-binding domain. Cytochrome b5 is a membrane bound hemoprotein which function as an electron carrier for several membrane bound oxygenases. In the mitochondrion of eukaryotes and in aerobic prokaryotes, cytochrome b is a component of respiratory chain complex III also known as the bc1 complex or ubiquinol-cytochrome c reductase.

## For Research Use Only

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