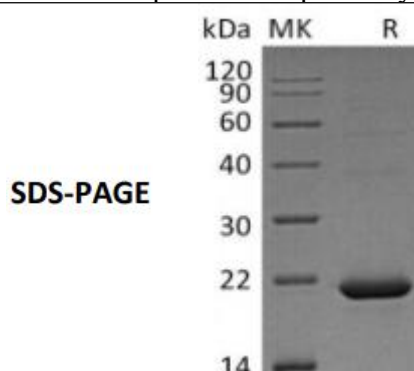


## Recombinant Human CYB5B

Catalog#:P02057 Derived from Human Cells

<b>DESCRIPTION</b>	<p>Recombinant Human Cytochrome B5 Type B is produced by our Mammalian expression system and the target gene encoding Lys12-Cys118 is expressed with a 6His tag at the C-terminus.</p> <p><b>Accession#:</b> AAH04373.1</p> <p><b>Known as:</b> Cytochrome b5 outer mitochondrial membrane isoform; OMB5</p>
<b>FORMULATION</b>	Lyophilized from a 0.2 $\mu$ m filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
<b>SHIPPING</b>	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
<b>STORAGE</b>	<p>Lyophilized protein should be stored at <math>&lt;-20^{\circ}\text{C}</math>, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at <math>4-7^{\circ}\text{C}</math> for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at <math>&lt;-20^{\circ}\text{C}</math> for 3 months.</p>
<b>RECONSTITUTION</b>	<p><i>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</i></p> <p><i>It is not recommended to reconstitute to a concentration less than 100<math>\mu\text{g/ml}</math>.</i></p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
<b>QUALITY CONTROL</b>	<p><b>Mol Mass:</b>13.1kDa    <b>AP Mol Mass:</b>22kDa, reducing conditions.</p> <p><b>Purity:</b> Greater than 95% as determined by reducing SDS-PAGE.</p> <p><b>Endotoxin:</b> Less than 0.1 ng/<math>\mu\text{g}</math> (1 EU/<math>\mu\text{g}</math>) as determined by LAL test.</p>
<b>BACKGROUND</b>	<p>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.</p>
 <p><b>SDS-PAGE</b></p>	