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

Catalog Number: PKSH032333

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

| Description Species Human Source HEK293 Cells-derived Human Cytochrome b5 B; CYB5B protein Lys 12-Cys 118, with an C-terminal His Calculated MW 13.1 KDa Observed MW 22 kDa Accession AAH04373.1 Bio-activity Not validated for activity Properties Purity Ps % as determined by reducing SDS-PACE. Endotoxin < 1.0 EU per µg of the protein as determined by the LAL method. Storage 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. Shipping This product is provided as lyophilized powder which is shipped with ice packs. Formulation Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual. Reconstitution Please refer to the printed manual for detailed information. Data 120 | | |
|--|---------------------|--|
| Source HEK293 Cells-derived Human Cytochrome b5 B;CYB5B protein Lys12-Cys118, with an C-terminal His Calculated MW 13.1 kDa Observed MW 22 kDa Accession AAH04373.1 Bio-activity Not validated for activity Properties Endotxin Purity >95 % as determined by reducing SDS-PAGE. Endotxin < 1.0 EU per µg of the protein as determined by the LAL method. Storage Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted samples are stable at < -20°C for 3 months. Shipping This product is provided as lyophilized powder which is shipped with ice packs. Formulation Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual. Reconstitution Please refer to the printed manual for detailed information. Data 120 MK R 120 60 00 00 00 00 00 00 00 00 00 00 00 00 | Description | |
| Cterminal His Calculated MW 13.1 kDa Observed MW 22 kDa Accession AAH04373.1 Bio-activity Not validated for activity Properties Purity Psp % as determined by reducing SDS-PAGE. Endotoxin <1.0 EU pr µg of the protein as determined by the LAL method. Storage Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted samples are stable at <-20°C for 3 months. Shipping This product is provided as lyophilized powder which is shipped with ice packs. Formulation Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual. Reconstitution Please refer to the printed manual for detailed information. Data 120 Image: stable size stable size stable size stable size stable size size size stable size size size size size size size siz | Species | Human |
| Calculated MW 13.1 kDa Observed MW 22 kDa Accession AAH04373.1 Bio-activity Not validated for activity Properties Purity Pathoxin <10 EU per µg of the protein as determined by the LAL method. | Source | HEK293 Cells-derived Human Cytochrome b5 B;CYB5B protein Lys12-Cys118, with an |
| Observed MW 22 kDa Accession AAH04373.1 Bio-activity Not validated for activity Properties Purity Purity >95 % as determined by reducing SDS-PAGE. Endotoxin < 1.0 EU per µg of the protein as determined by the LAL method. | | C-terminal His |
| Accession AAH04373.1 Bio-activity Not validated for activity Properties Purity > 95 % as determined by reducing SDS-PAGE. Endotoxin < 1.0 EU per µg of the protein as determined by the LAL method. Storage 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. Shipping This product is provided as lyophilized powder which is shipped with ice packs. Eyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual. Reconstitution Please refer to the printed manual for detailed information. Data KDB MK R 120 90 0 0 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 | Calculated MW | 13.1 kDa |
| Bio-activity Not validated for activity Properties Purity > 95 % as determined by reducing SDS-PAGE. Endotoxin < 1.0 EU per µg of the protein as determined by the LAL method. | Observed MW | 22 kDa |
| Properties Purity > 95 % as determined by reducing SDS-PAGE. Endotoxin < 1.0 EU per µg of the protein as determined by the LAL method. | Accession | AAH04373.1 |
| Purity >95 % as determined by reducing SDS-PACE. Endotoxin < 1.0 EU per µg of the protein as determined by the LAL method. | Bio-activity | Not validated for activity |
| Endotoxin < 1.0 EU per μg of the protein as determined by the LAL method. | Properties | |
| Storage 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. | Purity | > 95 % as determined by reducing SDS-PAGE. |
| °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. Shipping This product is provided as lyophilized powder which is shipped with ice packs. Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual. Reconstitution Please refer to the printed manual for detailed information. | Endotoxin | < 1.0 EU per µg of the protein as determined by the LAL method. |
| reconstituted samples are stable at < -20°C for 3 months. This product is provided as lyophilized powder which is shipped with ice packs. Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual. Reconstitution Please refer to the printed manual for detailed information. Data kDa MK R 120 90 60 40 90 60 90 60 40 90 60 60 60 60 60 60 60 60 60 6 | Storage | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 |
| Shipping This product is provided as lyophilized powder which is shipped with ice packs. Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual. Reconstitution Please refer to the printed manual for detailed information. Data 120 0 90 0 0 22 0 | | °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of |
| Formulation Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual. Please refer to the printed manual for detailed information. Data | | reconstituted samples are stable at $< -20^{\circ}$ C for 3 months. |
| Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual. Please refer to the printed manual for detailed information. Data | Shipping | This product is provided as lyophilized powder which is shipped with ice packs. |
| before lyophilization. Please refer to the specific buffer information in the printed manual. Please refer to the printed manual for detailed information. Data | Formulation | Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. |
| Please refer to the specific buffer information in the printed manual. Reconstitution Please refer to the printed manual for detailed information. Data $kDa \ MK \ R \\ 120 \\ 060 \\ 40 \\ 22 \\ 22 \\ 22 \\ 22 \\ 22 \\ 22 \\ 2$ | | Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants |
| Reconstitution Please refer to the printed manual for detailed information. Data KDa MK 120 90 60 40 20 | | before lyophilization. |
| Data | | Please refer to the specific buffer information in the printed manual. |
| kDa MK R 120 90 60 40 30 22 | Reconstitution | Please refer to the printed manual for detailed information. |
| 120 90 60 40 30 22 | Data | |
| $ \begin{array}{c} 90 \\ 60 \\ 40 \\ 30 \\ 22 \\ 22 \\ \end{array} $ | | kDa MK R |
| $ \begin{array}{c} 90 \\ 60 \\ 40 \\ 30 \\ 22 \\ 22 \\ \end{array} $ | | 120 |
| 40 | | |
| | | |
| 22 — _ | | 40 |
| | | 30 |
| | | 22 |
| 14 | | |
| | | 14 |

> 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.