

# Recombinant Full Length Pig Cytochrome B-245 Heavy Chain(Cybb) Protein, His-Tagged

**Cat. No.** RFL12674SF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| <b>Product Overview</b> | Recombinant Full Length Pig Cytochrome b-245 heavy chain(CYBB) Protein (P52649) (1-484aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Sus scrofa (Pig)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | Full Length (1-484)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | STRVRRQLDRNLTFHKMVAWMIALHATIHTIAHLFNVWCVNARVNNSDPYSIALSDI<br>GD KPNETYLNFVRQRIKNPEGGLYVAVTRLAGITGVVITLCLILIITSSTKTIRRSYFEV<br>FW YTHHLFVIFFIGLAIHGAERIVRRQTPKSLLVHDPKACAQNISQWGKIKDCPIPEFA<br>GNP PMTWKWIVGPMFLYLCERLVRFWRSQQKVVTIKVTHPFKTIELQMKKKGFR<br>MEVGQYIF VKRPAVSKLEWHPFTLTSAPEEDFFSIHIRIVGDWTEGLFKACGCDKQE<br>FQDAWKLPKIA VDGPFGTASEDVFSYQVVMLVGAGIGVTPFASILKSVWYKYCENNA<br>TNLRLKKIYFYWLCR DTHAFEWFADLLQLLETQMQRNAGFLSYNIYLTGWDESQ<br>ANHFAVHHDEEKDVITGLK QKTLYGRPNWDNEFKTIASQHPTTRIGVFLCGPEALAE<br>TLNKQCISNSDSSPRGVHFIFN KENF |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Applications</b>     | SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                              |
| <b>Storage Buffer</b>   | Tris/PBS-based buffer, 6% Trehalose, pH 8.0                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Reconstitution</b>   | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Gene Name</b>        | CYBB                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>         | CYBB; Cytochrome b-245 heavy chain; CGD91-phox; Cytochrome b(558 subunit beta; Cytochrome b558 subunit beta; Heme-binding membrane glycoprotein gp91phox; Neutrophil cytochrome b 91 kDa polypeptide; gp91-1; gp91-phox; p22 phagocyte B-cytochrome; Fragment                                                                                                                                               |
| <b>UniProt ID</b>       | <a href="#">P52649</a>                                                                                                                                                                                                                                                                                                                                                                                      |