

## Recombinant Human CYB5B Protein, GST-tagged

**Cat. No.** CYB5B-2214H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human CYB5-M full-length ORF ( AAH04373.1, 1 a.a. - 146 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 1-146 a.a.                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | CYB5B (Cytochrome B5 Type B) is a Protein Coding gene. Among its related pathways are Cytochrome P450 - arranged by substrate type and Metabolism. GO annotations related to this gene include heme binding and enzyme activator activity. An important paralog of this gene is CYB5A. |
| <b>Molecular Mass</b>   | 42.7 kDa                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MATAEASGSDGKGQEVETSVTYRLEEVAKRNSLKEWLVIHGRVYDVTRFLNEHP<br>GGEEVLLEQAGVDASESFEDVGHSSDAREMLKQYYIGDIHPSDLKPESGSKDPSKN<br>DTCKSCWAYWILPIIGAVLLGFLYRYTSESSEKSS                                                                                                                              |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                      |

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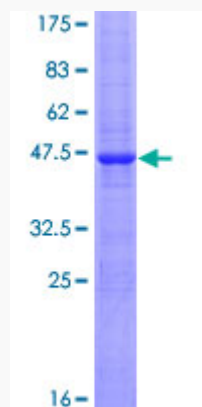
 45-1 Ramsey Road, Shirley, NY 11967, USA

|                         |                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                        |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                      |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                      |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                               |
| <b>Gene Name</b>        | CYB5B cytochrome b5 type B (outer mitochondrial membrane) [ Homo sapiens ]                                                                                                                                                                    |
| <b>Official Symbol</b>  | CYB5B                                                                                                                                                                                                                                         |
| <b>Synonyms</b>         | CYB5B; cytochrome b5 type B (outer mitochondrial membrane); cytochrome b5 type B; CYB5 M; type 2 cyt-b5; outer mitochondrial membrane cytochrome b5; cytochrome b5 outer mitochondrial membrane isoform; OMB5; CYB5-M; CYPB5M; DKFZp686M0619; |
| <b>Gene ID</b>          | 80777                                                                                                                                                                                                                                         |
| <b>mRNA Refseq</b>      | NM_030579                                                                                                                                                                                                                                     |
| <b>Protein Refseq</b>   | NP_085056                                                                                                                                                                                                                                     |
| <b>MIM</b>              | 611964                                                                                                                                                                                                                                        |
| <b>UniProt ID</b>       | O43169                                                                                                                                                                                                                                        |

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**Quality Control****Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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