

## Recombinant Human BLVRB Protein, GST-tagged

**Cat. No.** BLVRB-250H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human BLVRB full-length ORF ( NP_000704.1, 1 a.a. - 206 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                       |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                  |
| <b>Description</b>      | The final step in heme metabolism in mammals is catalyzed by the cytosolic biliverdin reductase enzymes A and B (EC 1.3.1.24).                                                                                              |
| <b>Form</b>             | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                    |
| <b>Molecular Mass</b>   | 48.5 kDa                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | MAVKKIAIFGATGQTGLTTLAQAVQAGYEVTVLVRDSSRLPSEGPRPAHVVGVDVLQ<br>AADVDKTVAGQDAVIVLLGTRNDLSPTTVMSEGARNIVAAMKAHGVDKVVACTSAFL<br>LWDPTKVPRLQAVTDDHIRMHKVLRRESGLKYVAVMPPHIGDQPLTGAYTVTLTGGR<br>GPSRVISKHDLGHFMLRCLTTDEYDGHSTYPSHQYQ |
| <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.                                                                                                                                                    |

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## GENE INFORMATION

**Gene Name** BLVRB biliverdin reductase B (flavin reductase (NADPH)) [ Homo sapiens ]

**Official Symbol** BLVRB

**Synonyms** BLVRB; biliverdin reductase B (flavin reductase (NADPH)); Flavin reductase , FLR; flavin reductase (NADPH); SDR43U1; short chain dehydrogenase/reductase family 43U; member 1; FR; GHBP; BVR-B; NADPH-flavin reductase; NADPH-dependent diaphorase; green heme-binding protein; biliverdin-IX beta-reductase; short chain dehydrogenase/reductase family 43U, member 1; FLR; BVRB; MGC117413;

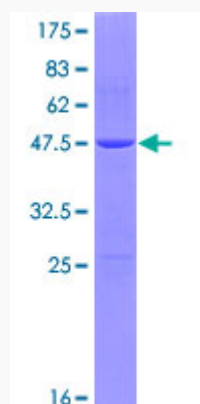
**Gene ID** 645

**mRNA Refseq** NM\_000713

**Protein Refseq** NP\_000704

**MIM** 600941

**UniProt ID** P30043



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