

## Recombinant Human BLVRB

**Cat. No.** BLVRB-27485TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length human BLVRB; 206 amino acids, 22.1 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<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>Tissue specificity</b>	Predominantly expressed in liver and erythrocytes. At lower levels in heart, lung, adrenal gland and cerebrum.
<b>Form</b>	Liquid
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 10% Glycerol, 20mM Tris, 1mM DTT, pH 8.5
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Sequences of amino acids</b>	MAVKKIAIFG ATGQTGLTTL AQAVQAGYEV TVLV RDSSRL PSEGPRPAHV VVG DVLQAAD VDKTVAGQDA VIVLLGTRND LSPTTVMSEG ARNIVAAMKA HGVDKVVACT SAFLLWDPTK VPPRLQAVTD DHIRMHKVLR ESGLYVAVM PPHIGDQPLT GAYTVTL DGR GPSRVISKHD LGHFMLRCLT TDEYDGHSTY

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PSHQYQ

**Full Length**

Full L.

## 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;

**Gene ID**

645

**mRNA Refseq**

NM\_000713

**Protein Refseq**

NP\_000704

**MIM**

600941

**Uniprot ID**

P30043

**Chromosome  
Location**

19q13.1-q13.2

**Pathway**

Heme degradation, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of porphyrins, organism-specific biosystem; Porphyrin and chlorophyll metabolism, organism-specific biosystem; Porphyrin and chlorophyll metabolism, conserved biosystem;

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**Function**

biliverdin reductase activity; flavin reductase activity; nucleotide binding;  
oxidoreductase activity;

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