

Recombinant Human BLVRB

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

SPECIFICATION

Product Overview	Recombinant full length human BLVRB; 206 amino acids, 22.1 kDa.
Species	Human
Source	E.coli
Description	The final step in heme metabolism in mammals is catalyzed by the cytosolic biliverdin reductase enzymes A and B (EC 1.3.1.24).
Tissue specificity	Predominantly expressed in liver and erythrocytes. At lower levels in heart, lung, adrenal gland and cerebrum.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris, 1mM DTT, pH 8.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MAVKKIAIFG ATGQTGLTTL AQAVQAGYEV TVLVRDSSRL PSEGPRPAHV VVGDLVQAAD 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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