

## Recombinant Human BLVRB

**Cat. No.** BLVRB-26281TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human BLVRB protein , 22.1 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	206 amino acids
<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>Molecular Weight</b>	22.100kDa
<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>	pH: 8.50 Constituents: 0.32% Tris HCl, 10% Glycerol, 0.02% DTT
<b>Storage</b>	Please see Notes section
<b>Sequences of amino acids</b>	MAVKKIAIFGATGQTGLTTLAQAVQAGYEVTVLVRDSSRL PSEGPRPAHVVGDLV

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QAADVDTKTVAGQDAVIVLLGTRND LSPTTVMSEGARNIVAAMKAHGVDKVVACTSA  
 FLLWDPTK VPPRLQAVTDDHIRMHKVLRESGLKYVAVMPPHIGDQPLT GAYTVTLD  
 GRGPSRVISKHDLGHFMLRCLTTDEYDGHSTY PSHQYQ

## GENE INFORMATION

<b>Gene Name</b>	BLVRB biliverdin reductase B (flavin reductase (NADPH)) [ Homo sapiens ]
<b>Official Symbol</b>	BLVRB
<b>Synonyms</b>	BLVRB; biliverdin reductase B (flavin reductase (NADPH)); Flavin reductase , FLR; flavin reductase (NADPH); SDR43U1; short chain dehydrogenase/reductase family 43U; member 1;
<b>Gene ID</b>	645
<b>mRNA Refseq</b>	NM_000713
<b>Protein Refseq</b>	NP_000704
<b>MIM</b>	600941
<b>Uniprot ID</b>	P30043
<b>Chromosome Location</b>	19q13.1-q13.2
<b>Pathway</b>	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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