

Recombinant Human BLVRB

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

SPECIFICATION

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

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QAADVDTKTVAGQDAVIVLLGTRND LSPTTVMSEGAARNIVAAMKAHGVDKVVACTSA
 FLLWDPTK VPPRLQAVTDDHIRMHKVLRESGLKYVAVMPPHIGDQPLT GAYTVTLD
 GRGPSRVISKHDLGHFMLRCLTTDEYDGHSTY PSHQYQ

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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