

Recombinant Human BLVRB, GST-tagged

Cat. No. BLVRB-10243H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human BLVRB protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-206a.a.
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).[supplied by OMIM, Jul 2009]
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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;

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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](#)

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; Riboflavin metabolism, organism-specific biosystem; Riboflavin metabolism, conserved biosystem;

Function biliverdin reductase activity; nucleotide binding; oxidoreductase activity; riboflavin reductase (NADPH) activity;

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