

Biliverdin Reductase B Recombinant Protein | BLVRB recombinant protein

Recombinant Human Biliverdin Reductase B

CATALOG # AAA38765	HOST E Coli
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PRODUCT SYNONYMS

Biliverdin Reductase B; Recombinant Human Biliverdin Reductase B; BLVRB Human; Biliverdin Reductase B Human Recombinant; FLR; BVRB; SDR43U1; MGC117413; BLVRB; Flavin reductase; FR; NADPH-dependent diaphorase; NADPH-flavin reductase; Biliverdin reductase B; BVR-B; Biliverdin-IX beta-reductase; Green heme-binding protein; GHBP; BLVRB recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The protein (1 mg/mL) contains 20mM Tris-HCl buffer pH 8.5, 10% glycerol, and 1mM DTT. Sterile filtered clear solution
Sequence	MAVKKIAIFG ATGQTGLTTL AQAQAGYEV TVLVRDSSRL PSEGPRPAHV VVGDLQAAD VDKTVAGQDA VIVLLGTRND LSPTVMSEG ARNIVAAMKA HGVDKVVACT SAFLLWDPTK VPPRLQAVTD DHIRMHKVLRL ESGLKYVAVM PPHIGDQPLT GAYTVTLQGR GPSRVISKHD LGHFMLRCLT TDEYDGHSTY PSHQYQ
Sequence Length	206
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for BLVRB recombinant protein	Description: BLVRB Human Recombinant amino produced in E Coli is a single, non-glycosylated polypeptide chain containing 206 amino acids having a molecular mass of 22.1 kDa. The BLVRB is purified by proprietary chromatographic techniques. Introduction: BLVRB (EC 1.3.1.24) catalyzes electron transfer from reduced pyridine nucleotides to flavins as well as methylene blue, pyrroloquinoline quinone, riboflavin, or methemoglobin. BLVRB is involved in protecting cells from oxidative damage or in regulating iron metabolism. BLVRB converts biliverdin to bilirubin in the liver, converting a double-bond between the second and third pyrrole ring into a single-bond. BLVRB plays a role as in human erythrocytic heme catabolic pathway and most mammalian species. Biliverdin reductase is abundantly expressed in kidney, spleen, liver and brain as well as at lower levels in the thymus and minimal levels being detected in testis.
Product Categories/Family for BLVRB recombinant protein	Enzymes; Reductase

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502419
NCBI GeneID	645
NCBI Accession #	NP_000704.1
NCBI GenBank Nucleotide #	NM_000713.2
UniProt Accession #	P30043; P32078; P53005; Q32LZ2; A6NKD8; B2R5C6

Molecular Weight	22,119 Da
NCBI Official Full Name	flavin reductase (NADPH)
NCBI Official Synonym Full Names	biliverdin reductase B
NCBI Official Symbol	BLVRB
NCBI Official Synonym Symbols	FLR; BVRB; SDR43U1; HEL-S-10
NCBI Protein Information	flavin reductase (NADPH); flavin reductase (NADPH); BVR-B; FR; GHBP; NADPH-dependent diaphorase; NADPH-flavin reductase; biliverdin reductase B (flavin reductase (NADPH)); biliverdin-IX beta-reductase; epididymis secretory protein Li 10; green heme-binding protein; short chain dehydrogenase/reductase family 43U, member 1
UniProt Protein Name	Flavin reductase (NADPH)
UniProt Gene Name	BLVRB
UniProt Synonym Gene Names	FLR; FR; BVR-B; GHBP; FLR
UniProt Entry Name	BLVRB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/blvr-recombinant-protein-e-coli/38765>