

Active Recombinant Full Length Human BLVRB Protein, His Tagged

Cat. No. BLVRB-08H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Full Length Human BLVRB Protein (Ala2-Gln206) with an N-terminal Met and 6-His tag was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	2-206 aa
Description	Enables biliverdin reductase [NAD(P)+] activity; peptidyl-cysteine S-nitrosylase activity; and riboflavin reductase (NADPH) activity. Involved in heme catabolic process; megakaryocyte differentiation; and negative regulation of insulin receptor signaling pathway. Located in cytosol; nucleoplasm; and plasma membrane. Is active in cytoplasm.
Form	Supplied as a 0.2 µm filtered solution in Tris, NaCl, Brij and Glycerol.
Bio-activity	Measured by the reduction of riboflavin 5'-monophosphate (FMN) using NADPH as the cofactor. The specific activity is >225 pmol/min/µg, as measured under the described conditions.
Molecular Mass	23 kDa
Endotoxin	<1.0 EU/µg of the protein by the LAL method.

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Purity	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -20 to -70 centigrade as supplied. 3 months, -20 to -70 centigrade under sterile conditions after opening.
Shipping	The product is shipped with polar packs.

GENE INFORMATION

Gene Name	BLVRB biliverdin reductase B [Homo sapiens (human)]
Official Symbol	BLVRB
Synonyms	BLVRB; biliverdin reductase B; FLR; BVRB; SDR43U1; HEL-S-10; flavin reductase (NADPH); BVR-B; FR; GHBP; NADPH-dependent diaphorase; NADPH-flavin reductase; S-nitroso-CoA-assisted nitrosyltransferase; SNO-CoA-assisted nitrosyltransferase; biliverdin-IX beta-reductase; epididymis secretory protein Li 10; green heme-binding protein; short chain dehydrogenase/reductase family 43U, member 1; EC 1.5.1.30
Gene ID	645
mRNA Refseq	NM_000713
Protein Refseq	NP_000704
MIM	600941
UniProt ID	P30043

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