

Active Recombinant Full Length Human BLVRB Protein

Cat. No. BLVRB-07H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Full Length Human BLVRB Protein (1-206 aa) was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-206 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	50 mM Tris HCl, pH 8.0, with 150 mM sodium chloride, and 10% glycerol
Molecular Mass	22 kDa
Purity	≥90% estimated by SDS-PAGE
Storage	At -80 centigrade, ≥ 1 year
Shipping	Dry ice in continental US; may vary elsewhere

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Unit Definition

One unit is defined as the amount of enzyme required to produce 1 nmol of NADP per minute at 25 centigrade in 100 mM sodium phosphate, pH 5.0, with 200 µM of flavin mononucleotide.

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

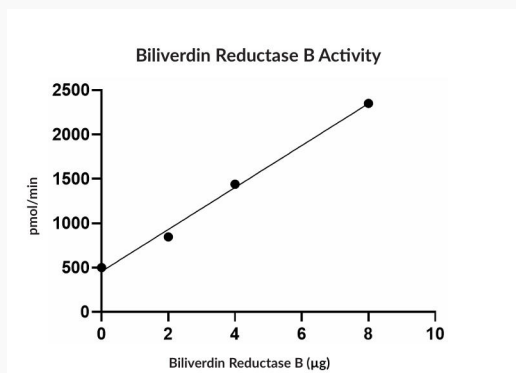
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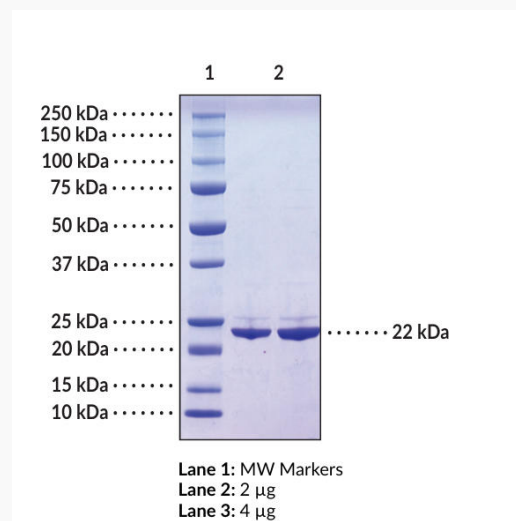
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Activity



SDS-PAGE



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