

Recombinant Mouse Blvrb Protein, Myc/DDK-tagged

Cat. No. Blvrb-1877M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length biliverdin reductase B (flavin reductase (NADPH)) (Blvrb), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Broad specificity oxidoreductase that catalyzes the NADPH-dependent reduction of a variety of flavins, such as riboflavin, FAD or FMN, biliverdins, methemoglobin and PQQ (pyrroloquinoline quinone). Contributes to heme catabolism and metabolizes linear tetrapyrroles. Can also reduce the complexed Fe ³⁺ iron to Fe ²⁺ in the presence of FMN and NADPH. In the liver, converts biliverdin to bilirubin.
Molecular Mass	22.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Blvrb biliverdin reductase B \(flavin reductase \(NADPH\)\) \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Blvrb](#)

Synonyms BLVRB; biliverdin reductase B (flavin reductase (NADPH)); flavin reductase (NADPH); FR; FLR; BVR-B; NADPH-flavin reductase; NADPH-dependent diaphorase; biliverdin-IX beta-reductase; MGC11726; MGC27866

Gene ID [233016](#)

mRNA Refseq [NM_144923](#)

Protein Refseq [NP_659172](#)

UniProt ID [Q923D2](#)

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