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 Fe3+ iron to Fe2+ 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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