9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-6683: BLVRB Mouse

Alternative Name : Flavin reductase (NADPH), FR, Biliverdin reductase B, BVR-B, Biliverdin-IX beta-reductase, NADPH-dependent diaphorase, NADPH-flavin reductase, FLR.

Description

Source: Escherichia Coli.
Sterile filtered colorless solution.
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.
BLVRB Mouse Recombinant produced in E. coli is a single, non-glycosylated polypeptide chain containing 229 amino acids (1-206 a.a) and having a molecular mass of 24.6kDa.BLVRB is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	BLVRB protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMTVKKIA IFGATGRTGL TTLAQAVQAG YEVTVLVRDS SRLPSEGPQP AHVVVGDVRQ AADVDKTVAG QEAVIVLLGT GNDLSPTTVM SEGTRNIVTA MKAHGVDKVV ACTSAFLLWD PTKVPPRLQD VTDDHIRMHK ILQESGLKYV AVMPPHIGDQ PLTGAYTVTL DGRGPSRVIS KHDLGHFMLR CLTTNEYDGH TTYPSHQYD.

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