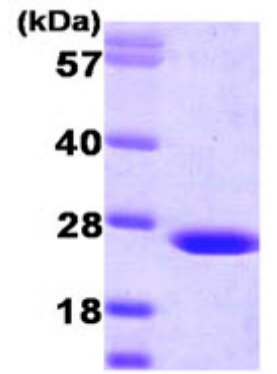


AR09120PU-L**Recombinant human BLVRB (Biliverdin IX beta Reductase) (aa 1-206)**

Alternate names:	BLVRB, Biliverdin reductase B, Biliverdin-IX beta-reductase, FLR, Green heme-binding protein, NADPH-dependent diaphorase, NADPH-flavin reductase
Quantity:	0.5 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	Biliverdin reductase B (BLVRB) is an enzyme (EC 1.3.1.24) that converts biliverdin to bilirubin, converting a double-bond between the second and third pyrrole ring into a single-bond. BLVRB is found that major erythrocytic heme catabolic pathway in humans 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.
Uniprot ID:	P30043
NCBI:	NP_000704.1
GeneID:	645
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% by SDS PAGE Buffer System: 20 mM Tris pH 8.5, 10% glycerol, 1 mM DTT
Description:	Recombinant BLVRB protein was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MAVKKIAIFG ATGQTGLTTL AQAVQAGYEV TVLVRDSSRL PSEGPRPAHV VVGDVQLAAD VDKTVAGQDA VIVLLGTRND LSPTTVMSEG ARNIVAAMKA HGVDKVVACT SAFLLWDPK VPPRLQAVTD DHIRMHKVLR ESGLKYVAVM PPHIGDQPLT GAYTVTL DGR GPSRVISKHD LGHFMLRCLT TDEYDGHSTY PSHQYQ Molecular weight: 22.1 kDa (206 aa)
Storage:	Store (in aliquots) at -20°C or -70°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	L. Lee Grismer., et al. (2007). Herpetologica. 63(3):392-400. Baranano DE., et al. (2002). Proc Natl Acad Sci USA. 10; 99(25):16093-8.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human Biliverdin reductase B, 1-206 aa: 15% SDS-PAGE (3 μg)

