

Recombinant Human BLVRA

Cat. No. BLVRA-1234H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	BLVRA Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 295 amino acids (3-296 a.a. and Methionine at N-terminus) and having a molecular mass of 33.3kDa (molecular weight on SDS-PAGE will shift up). The BLVRA is purified by proprietary chromatographic techniques.
Species	Human
Source	E.coli
ProteinLength	3-296 a.a.
Description	The protein encoded by this gene belongs to the biliverdin reductase family, members of which catalyze the conversion of biliverdin to bilirubin in the presence of NADPH or NADH. Mutations in this gene are associated with hyperbiliverdinemia. Alternatively spliced transcript variants have been found for this gene.?
Form	Sterile Filtered colorless solution. The BLVRA solution contains 20mM Tris-HCl buffer (pH8.0) and 10% glycerol.
Molecular Mass	33.3kDa
AA Sequence	MAEPERKFGV VVVGVGRAGS VRMRDLRNPH PSSAFLNLIG FVSRRELGSI DGVQQISLED ALSSQEVEVA YICSESSSHE DYIRQFLNAG KHVLEYPMT LSLAAAQELW ELAEQKGKVL HEEHVLLME EFAFLKKEVV GKDLLKGSLL FTAGPLEEER FGPAFSGIS RLTWLVSLFGELSLVSATLE ERKEDQYMKM

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TVCLETEKKS PLSWIEEKGP GLKRNRYLSF HFKSGSLENV PNVGVNKNIF
LKDQNIFVQK LLGQFSEKEL AAEKKRILHC LGLAEEIQKY CCSRK.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Usage

The products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Stability

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.

GENE INFORMATION

Gene Name

BLVRA biliverdin reductase A [Homo sapiens]

Official Symbol

BLVRA

Synonyms

BLVRA; biliverdin reductase A; BLVR; BVR A; biliverdin-IX alpha-reductase; BVR; BVRA; NP_000703.2; EC 1.3.1.24; NP_001240752.1

Gene ID

644

mRNA Refseq

NM_000712

Protein Refseq

NP_000703

MIM

109750

UniProt ID

P53004

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Chromosome Location	7p13
Pathway	Heme degradation; Metabolism of porphyrins; Porphyrin and chlorophyll metabolism
Function	biliverdin reductase activity; zinc ion binding

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