

# Recombinant Human BLVRA

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

## SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	3-296 a.a.
<b>Description</b>	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.?
<b>Form</b>	Sterile Filtered colorless solution. The BLVRA solution contains 20mM Tris-HCl buffer (pH8.0) and 10% glycerol.
<b>Molecular Mass</b>	33.3kDa
<b>AA Sequence</b>	MAEPERKFGV VVGVGRAGS VRMRDLRNPH PSSAFLNLIG FVSRRELGSI DGVQQISLED ALSSQEVEVA YICSESSSHE DYIRQFLNAG KHVLVEYPMT LSLAAAQELW ELAEQKGKVL HEEHVLLME EFAFLKKEVV GKDLLKGSLL FTAGPLEEER FGFPAFSGIS RLTWLVSLFGELSLVSATLE ERKEDQYMKM

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

TVCLETEKKS PLSWIEEKGP GLKRNRYLSF HFKSGSLENV PNVGVNKNIF  
LKDQNFVQK 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](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA