

# Recombinant Full Length Human BLVRA Protein, GST-tagged

**Cat. No.** BLVRA-1712HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human BLVRA full-length ORF ( AAH08456, 1 a.a. - 296 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 296 amino acids                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | Biliverdin reductases, such as BLVRA (EC 1.3.1.24), catalyze the conversion of biliverdin to bilirubin in the presence of NADPH or NADH (Komuro et al., 1996 [PubMed 8950184]).                                                                                                                                         |
| <b>Form</b>             | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | 58.3 kDa                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MNAEPERKFGVVVGVGRAGSVRMRDLRNPHPSAFLNLIGFVSRRELGSIDGVQQ<br>ISLEDALSSQEVEVAYICSESSHEDYIRQFLNAGKHVLVEYPMTLSLAAAQELWELA<br>EQKGKVLHEEHVELLMEEFAFLKKEVVGKDLLKGSLLFTAGPLEEERFGFPAFSGIS<br>RLTWLVSLFGELSLVSATLEERKEDQYMKMTVCLETEKKSPLSWIEEKGPGLKRN<br>YLSFHFKSGSLENVPNVGVNKNIFLKDQNFVQKLLGQFSEKELAAEKKRILHCLGLA<br>EEIQKYCCSRK |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                  |

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**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## 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

**Gene ID** 644

**mRNA Refseq** NM\_000712

**Protein Refseq** NP\_000703

**MIM** 109750

**UniProt ID** P53004

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