

Product datasheet for **TP727310**

Biliverdin Reductase (BLVRA) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Biliverdin Reductase A/BVR A (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Glu6-Ser294
Tag:	C-His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 150mM NaCl, 0.05% Brij35, 20% Glycerol, pH 8.0.
Note:	Recombinant Human Biliverdin reductase A is produced by our E.coli expression system and the target gene encoding Glu6-Ser294 is expressed with a 6His tag at the C-terminus.
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	12 months from date of despatch
Locus ID:	644
UniProt ID:	P53004
Synonyms:	BLVRA;Biliverdin reductase A;BVR A;Biliverdin-IX alpha-reductase;BLVR;BVR
Summary:	Human Biliverdin reductase A (BLVRA) is belonged to the Gfo/Idh/MocA family and Biliverdin reductase subfamily. BLVRA is an enzyme that in humans is encoded by the BLVRA gene. BLVRA plays an important role in reducing the gamma-methene bridge of the open tetrapyrrole, biliverdin IX alpha, to bilirubin with the concomitant oxidation of a NADH or NADPH cofactor. BLVRA acts on biliverdin by reducing its double-bond between the pyrrole rings into a single-bond. It accomplishes this using NADPH + H ⁺ as an electron donor, forming bilirubin and NADP ⁺ as products.
Protein Pathways:	Porphyrin and chlorophyll metabolism



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