

Recombinant Human Biliverdin Reductase A/BVR A Protein(C-6His)

Cat.NO.: TP05466

3th Edition

Synonyms:BLVRA;Biliverdin reductase A;BVR A;Biliverdin-IX alpha-reductase;BLVR;BVR

Description: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.

Form:PBS

Molecular Weight:33.8 kDa

Sequences:Glu6-Ser294

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.