

32-8574: Recombinant Human Biliverdin Reductase A/BVR A (C-6His)

Gene : BLVRA
Gene ID : 644
Uniprot ID : P53004

Description

Source: E.coli.
MW :33.8kD.

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. Human Biliverdin reductase A (BLVRA) is belonged to the Gfo/ldh/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.

Product Info

Amount : 10 µg / 50 µg

Content : Lyophilized from a 0.2 µm filtered solution of 4mM HCl.

Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

Amino Acid : MERKFGVVVVGVRAGSVRMRDLRNPHSSAFLNLIGFVSRRELGSIDGVQQISLEDALSSQEVEVAYICSESS
SHEDYIRQFLNAGKHVLEYPMTLSLAAAQELWELAEQKGVSHHEHVLLMEEFAFLKKEVVGKDLLKGSLLF
TAGPLEEERFGFPFSGISRLTWLVSLFGELSLVSATLEERKEDQYMKMTVCLETEKKSPLSWIEEKGPGLKRRN
YLSFHFKSGSLENVPNVGVNKNIFLKDQNIQVQKLLGQFSEKELAAEKKRILHCLGLAEEIQKYCCSLEHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.