

Biliverdin reductase A, 3-296 aa, Human, Recombinant, E.coli

Cat.NO.: TP01337

3th Edition

Synonyms:BLVR, BVR, BVRA.

Description:BLVRA, also known as biliverdin reductase A, belongs to the gfo/idh/mocA family. This protein is an enzyme that converts biliverdin to bilirubin, converting a double-bond between the second and third pyrrole ring into a single-bond.(Bilirubin + NAD(P)+ = biliverdin + NAD(P)H) Recombinant BLVRA protein was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol

Molecular Weight:33.3 kDa (295aa)

Sequences:

MAEPERKFGVVVVGVGRAGSVRMRDLRNPHPSAFLNLIGFVSRRELGSIDGVQQISLEDALSSQEVEVAYICES
SSHEDYIRQFLNAGKHVLVEYPMTLSLAAAQELWELAEQKGVLEEHVELLMEEFAFLKKEVVGKDLLKGSLLFTA
GPLEEERFGFPAFSGISRLTWLVSLFGELSLVSATLEERKEDQYMKMTVCLETEKKSPLSWIEEKGPGLKRNRYLSF
HFKSGSLENVFNVGVNKNIFLKDQNFVQKLLGQFSEKELAAEKKRILHCLGLAEEIQKYCCSRK

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

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.