

Recombinant Rat Biliverdin Reductase A

Cat. No. Blvra-595R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant rat kidney biliverdin reductase expressed in <i>E. coli</i> .
Species	Rat
Source	E.coli
Description	The phosphoprotein BVR (Biliverdin Reductase) is an oxireductase which catalyzes the reduction of the gamma-meso bridge of Biliverdin to Bilirubin. BVR is unique among all enzymes characterized to date because BVR has dual pH/dual cofactor requirements. The reductase is highly conserved in its primary structure and molecular properties and uses NADH in the acidic range (peak activity at pH~6.7), whereas NADPH is utilized in the basic range (peak activity at pH ~8.7).
Purity Detail	Multi-step chromatography.
Application	Western blot Control.
Storage	-70°C.
Pathways	Porphyrin and chlorophyll metabolism

GENE INFORMATION

Gene Name	Blvra biliverdin reductase A [<i>Rattus norvegicus</i>]
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Synonyms	biliverdin reductase A; Blvra; BVR A; biliverdin-IX alpha-reductase; EC 1.3.1.24
Gene ID	116599
mRNA Refseq	NM_053850
Protein Refseq	NP_446302
UniProt ID	P46844
Chromosome Location	3q36
Function	biliverdin reductase activity; binding; metal ion binding; oxidoreductase activity; zinc ion binding

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