Datasheet for ABIN7318200

Biliverdin Reductase Protein (His tag)

Go to Product page

Overview

Quantity:	50 µg
Target:	Biliverdin Reductase (BLVRA)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Biliverdin Reductase protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human BLVRA Protein (His Tag)
Sequence:	Glu6-Ser294
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Biliverdin Reductase (BLVRA)
Alternative Name:	BLVRA (BLVRA Products)
Background:	Background: 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

Target Details

	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. Synonym: BLVRA,Biliverdin reductase A,BVR A,Biliverdin-IX alpha-reductase,BLVR,BVR
Molecular Weight:	33.8 kDa
UniProt:	P53004

Application Details

Restrictions:	For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM Tris,150 mM NaCl,0.05 % Brij35,20 %Glycerol, pH 8.0.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.