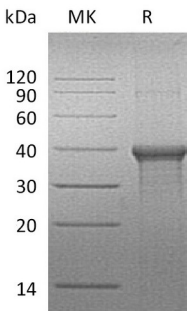
Product Name: Recombinant Human BLVRA (C-6His)
Catalog #: PEH0154

Summary

Name	Biliverdin Reductase A/BLVRA
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	P53004
Host	E.coli
Species	Human
Predicted Molecular Mass	33.8 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 100mM NaCl, 50% Glycerol, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	BLVRA;Biliverdin reductase A;BVR A;Biliverdin-IX alpha-reductase;BLVR;BVR
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 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.

Note

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