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BLVRA, human recombinant protein
Biliverdin reductase A, BLVR, BVR, BVRA
Catalog # PBV11386r

Specification

BLVRA, human recombinant protein - Product info

Primary Accession	P53004
Concentration	1
Calculated MW	33.3 kDa (295 aa, 3-296 aa) KDa

BLVRA, human recombinant protein - Additional Info

Gene ID	644
Gene Symbol	BLVRA

Other Names
Biliverdin reductase A, BLVR, BVR, BVRA

Gene Source	Human
Source	E.coli
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	Specific activity is > 30 pmoles/min/ µg.
Sequence	MAEPERKFGV VVVGVGRAGS VRMRDLRNPH PSSAFLNLIG FVSRRELGSI DGVQQISLED ALSSQEVEVA YICSESSSHE DYIRQFLNAG KHVLVEYPMT LSLAAAQELW ELAEQKGKVL HEEHVELLME EFAFLKKEVV GKDLLKGSLL FTAGPLEEER FGFPAFSGIS RLTWLVSLFG ELSLVSATLE ERKEDQYMKM TVCLETEKKS PLSWIEEKGP GLKRNRYLSF HFKSGSLENV PNVGVNKNIF LKDQNIFVQK LLGQFSEKEL AAEKKRILHC LGLAEEIQKY CCSRK

Target/Specificity
BLVRA

Format
Liquid

Storage
-20°C; 1 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

BLVRA, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

BLVRA, human recombinant protein - Images

BLVRA, human recombinant protein - Background

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.

BLVRA, human recombinant protein - References

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Hillier L.W.,et al.Nature 424:157-164(2003).
Maines M.D.,et al.Arch. Biochem. Biophys. 300:320-326(1993).