

Recombinant Human Biliverdin reductase A(BLVRA)

Catalog No: #AP76910



Package Size: #AP76910-1 20ug #AP76910-2 100ug #AP76910-3 1mg

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Description

Product Name	Recombinant Human Biliverdin reductase A(BLVRA)
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-296aaSequence Info:Full Length
Other Names	Biliverdin-IX alpha-reductase
Accession No.	P53004
Uniprot	P53004
GeneID	644;
Calculated MW	60.2 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	AEPERKFGVVVGVGRAGSVRMRDLRNPSSAFNLNIGFVSRRELGSIDGVQQISLEDALSSQEVEVAYICS ESSSHEDYIRQFLNAGKHVLVEYPMTLSLAAAQELWELAEQKGVLHEEHVELLMEEFAFLKKEVVGKDLLKG SLLFTAGPLEEERFGFPAFSGISRLTWLVSLFGELSLVSATLEERKEDQYMKMTVCLETEKKSPLSWIEEKGPG LKRNRYSFHFKSGSLENVPNVGVNKNIFLKDQNFVQKLLGQFSEKELAAEKKRILHCLGLAEEIQKYCCSRK
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Reduces the gamma-methene bridge of the open tetrapyrrole, biliverdin IX alpha, to bilirubin with the concomitant oxidation of a NADH or NADPH cofactor.

References

"Human biliverdin IXalpha reductase is a zinc-metalloprotein. Characterization of purified and Escherichia coli expressed enzymes."

Maines M.D., Polevoda B.V., Huang T.-J., McCoubrey W.K. Jr.

Eur. J. Biochem. 235:372-381(1996)Research Topic:Signal Transduction

Note: This product is for in vitro research use only