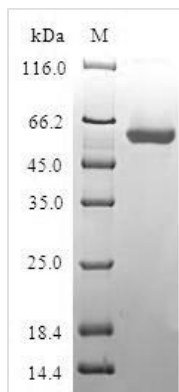




Recombinant Human Biliverdin reductase A (BLVRA)

Product Code	CSB-EP002721HU
Relevance	Reduces the gamma-methene bridge of the open tetrapyrrole, biliverdin IX alpha, to bilirubin with the concomitant oxidation of a NADH or NADPH cofactor.
Abbreviation	Recombinant Human BLVRA protein
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.
Uniprot No.	P53004
Alias	Biliverdin-IX alpha-reductase
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MNAEPERKFGV V V V G V G R A G S V R M R D L R N P H P S S A F L N L I G F V S R R E L G S I D G V Q Q I S L E D A L S S Q E V E V A Y I C S E S S H E D Y I R Q F L N A G K H V L V E Y P M T L S L A A A Q E L W E L A E Q K G K V L H E E H V E L L M E E F A F L K K E V V G K D L L K G S L L F T A G P L E E E R F G F P A F S G I S R L T W L V S L F G E L S L V S A T L E E R K E D Q Y M K M T V C L E T E K K S P L S W I E E K G P G L K R N R Y L S F H F K S G S L E N V P N V G V N K N I F L K D Q N I F V Q K L L G Q F S E K E L A A E K K R I L H C L G L A E E I Q K Y C C S R K
Research Area	Signal Transduction
Source	E.coli
Target Names	BLVRA
Protein Names	Recommended name: Biliverdin reductase A Short name= BVR A EC= 1.3.1.24 Alternative name(s): Biliverdin-IX alpha-reductase
Expression Region	1-296aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	60.2kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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.