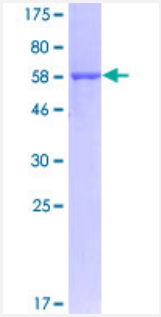
Full-Length

BLVRA (Human) Recombinant Protein (P01)

Catalog # H00000644-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human BLVRA full-length ORF (AAH08456, 1 a.a. - 296 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MNAEPERKFGVVVVGVGRAGSVRMRDLRNPHPSSAFLNLIGFVSRRELGSIDGVQQISLEDALSS QEVEVAYICSESSSHEDYIRQFLNAGKHVLVEYPMTLSLAAAQELWELAEQKGKVLHEEHVELLM EEFAFLKKEVVGKDLLKGSLLFTAGPLEEERFGFPAFSGISRLTWLVSLFGELSLVSATLEERKE DQYMKMTVCLETEKKSPLSWIEEKGPGLKRNRYLSFHFKSGSLENVPNVGVNKNIFLKDQNIFVQ KLLGQFSEKELAAEKKRILHCLGLAEEIQKYCCSRK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	58.3
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — BLVRA

Entrez GeneID	644
GeneBank Accession#	BC008456
Protein Accession#	AAH08456
Gene Name	BLVRA
Gene Alias	BLVR, BVR, BVRA
Gene Description	biliverdin reductase A
Omim ID	109750
Gene Ontology	Hyperlink
Gene Summary	Biliverdin reductases, such as BLVRA (EC 1.3.1.24), catalyze the conversion of biliverdin to biliru bin in the presence of NADPH or NADH (Komuro et al., 1996 [PubMed 8950184]).[supplied by O MIM
Other Designations	-

Publication Reference

- Biliverdin reductase-A attenuated GMH-induced inflammatory response in the spleen by inhibiting toll-like receptor-4 through eNOS/NO pathway.

  Zhang Y, Ding Y, Lu T, Zhang Y, Xu N, McBride DW, Tang J, Zhang JH.

  Journal of Neuroinflammation 2018 Apr; 15(1):118.

  Application: Induction, Recombinant protein

- Bliverdin reductase-A improves neurological function in a germinal matrix hemorrhage rat model.

  Zhang Y, Ding Y, Lu T, Zhang Y, Xu N, Yu L, McBride DW, Flores JJ, Tang J, Zhang JH.

  Neurobiology of Disease 2017 Dec; 110:122.

  Application: Func, Rat, Rat brain

Pathway

- Porphyrin and chlorophyll metabolism

Disease

- Coronary Artery Disease
- Genetic Predisposition to Disease