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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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BVR Protein

Rat Natural BVR Full Length Protein
Catalog No. SPR-320

StressMarq Biosciences INC.
Discovery through partnership | Excellence through quality

Overview

Product Name

BVR Protein

Description

Rat Natural BVR Full Length Protein

Applications

WB, SDS-PAGE

Concentration

0.82 mg/ml

Conjugates

No tag

Nature

Natural

Species

Rat

Expression System

Native

Amino Acid Sequence

MDAEPKRKFG VVVVGVGRAG SVRLRDLKDP RSAAFLNLIG FVSRRELGSL DEVRQISLED ALRSQEIDVA YICSESSSHE DYIRQFLQAG KHVLVEYPM T LSFAAAQELW ELAAQKGRVL HEEHVELLME EFEFLRREVL GKELLKGSLR FTASPLEEER FGFPAFSGIS RLTWLVSLF

Protein Length

Full Length

Properties

Storage Buffer

10mM Tris pH7.5, 0.1mM EDTA, 0.2mM DTT, 20% glycerol

Storage Temperature

-80ºC

Shipping Temperature

Blue Ice or 4ºC

Purification

Ion-exchange Purified

Specificity

~36 kDa

Cite This Product

Rat Natural BVR Protein (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SPR-320)

Certificate Of Analysis

This product has been certified >90% pure using SDSPAGE analysis.

Biological Description

Alternative Names

Biliverdin Reductase Protein, Biliverdin IX alpha reductase Protein, Biliverdin reductase A Protein, Biliverdin-IX alpha-reductase Protein, BLVR A Protein, BLVR Protein, Blvra Protein, BVR A Protein, BVRA Protein, Zinc metalloProtein, zinc-metalloprotein Protein

Research Areas

Cancer, Oxidative Stress

Cellular Localization

Cytoplasm

Accession Number

NP_446302.1

Gene ID

116599

Swiss Prot

P46844

Scientific Background

Biliverdin Reductase (BVR) is a cytoplasmic enzyme that catalyzes the conversion of biliverdin to bilirubin by converting a double bond between the second and third pyrrole ring into a single bond (1). It is ubiqutiously expressed in all tissues- it occurs in cells and brain regiuons that already display HO-1 and HO-2, but also in regions and cell types with potential to induce stress proteins. It is unique among all enzymes in having two pH optima, using a different cofactor at each pH range, NADH at pH7.0 and NADPH at pH8.7 (2). It is not inactivated by heat shock, and have shown to abate inflammation, oxidative stress and apoptosis (3).

References

1. Singleton J.W., Laster L. (1965). J Biol Chem. 240: 4780-4789. 2. Kutty R.K., Maines M.D. (1981) J Biol Chem. 256: 3956-3962. 3. Mishra M., Ndisand J.F. (2014) Curr Pharm Des. 20(9): 1370-1391.

Product Images

Currently there are no images for this product

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.