



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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**Datasheet for 009-001-R94S****FKBP1A protein-GST fusion****Overview**

|                      |  |
|----------------------|--|
| <b>Description:</b>  | FKBP1A recombinant protein-GST fusion protein - 009-001-R94S |
| <b>Item No.:</b>     | 009-001-R94S   |
| <b>Size:</b>         | 20 µg  |
| <b>Origin:</b>       | Human  |
| <b>Expressed in:</b> | E. coli  |

**Product Details**

|                           |   |
|---------------------------|---|
| <b>Background:</b>        | FKBP1A is a member of the immunophilin protein family which plays a role in immunoregulation and basic cellular processes involving protein folding and trafficking. FKBP1A is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 and Rapamycin. FKBP1A interacts with various type I receptors, including the TGF-beta type I receptor and competitive binding assays show that the type I receptor may be a natural ligand for FKBP1A (1). FKBP1A-deficient mice have normal skeletal muscle but show severe dilated cardiomyopathy and ventricular septal defects that mimic a human congenital heart disorder (2). FKBP1A Protein is ideal for investigators involved in Signaling Proteins, Cellular Proteins, AKT/PKB Pathway, Cardiovascular Disease, Inflammation, Neurobiology, and NfκB Pathway research. |
| <b>Synonyms:</b>          | FKBP12, FKBP1, PKC12, PKC12, PPIASE, FKBP-12, FKBP12C, Peptidyl-prolyl cis-trans isomerase FKBP1B, 12.6 kDa FK506-binding protein, FK506-binding protein 1B, Immunophilin FKBP12.6, Rotamase, h-FKBP-12, FKBP-12.6, FKBP-1B   |
| <b>Species of Origin:</b> | Human   |
| <b>Expressed in:</b>      | E. coli   |
| <b>Type:</b>              | Recombinant Protein   |

**Target Details**

|                            |   |
|----------------------------|---|
| <b>Gene Name:</b>          | FKBP1B  |
| <b>Purity/Specificity:</b> | Recombinant full length human FKBP1A was expressed in E. coli cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >95% by densitometry. |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li>• <a href="#">NCBI - NM_000801</a></li></ul>  |

## Application Details

|                          |  |
|--------------------------|--|
| <b>Application Note:</b> | FKBP1A Protein is stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. FKBP1A Protein is suitable for use in Western Blot. Expect a band approximately ~ 38.3kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user. |
| <b>Assay Dilutions:</b>  | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.  |
| <b>WB:</b>               | User Optimized   |

## Formulation

|                        |                           |
|------------------------|---------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered) |
| <b>Concentration:</b>  | 0.2 µg/µL                 |
| <b>Buffer:</b>         | See application note.     |

## Shipping & Handling

|                            |   |
|----------------------------|---|
| <b>Shipping Condition:</b> | Dry Ice   |
| <b>Storage Condition:</b>  | Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. |
| <b>Expiration:</b>         | Expiration date is one (1) year from date of receipt.   |

## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.

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