



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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**Datasheet for 009-001-S56S****NFATC1 protein-GST fusion****Overview**

<b>Description:</b>	NFATC1 recombinant protein-GST fusion protein - 009-001-S56S
<b>Item No.:</b>	009-001-S56S
<b>Size:</b>	20 µg
<b>Origin:</b>	Human
<b>Expressed in:</b>	Sf9 cells

**Product Details**

<b>Background:</b>	NFATC1 is a member of the NFAT family of proteins which are Ca <sup>2+</sup> /calcineurin-responsive transcription factors primarily recognized for their central roles in T lymphocyte activation and cardiac valve development (1). NFAT consists of at least two components: a preexisting cytosolic component that translocates to the nucleus upon T-cell receptor (TCR) stimulation, and an inducible nuclear component. Proteins belonging to the NFAT family of transcription factors play a central role in inducible gene transcription during immune response. The product of NFATC1 is an inducible nuclear component and functions as a major molecular target for the immunosuppressive drugs such as cyclosporin A (2). NFATC1 Protein is ideal for investigators involved in Signaling Proteins, Transcription Proteins, Cardiovascular Disease, Inflammation, JNK/SAPK Pathway, NfκB Pathway, and p38 Pathway research.
<b>Synonyms:</b>	NF-ATC, NFATc, NFAT2, MGC138448, Nuclear factor of activated T-cells, cytoplasmic 1 NF-ATc1, NFATc1, NFAT transcription complex cytosolic component
<b>Species of Origin:</b>	Human
<b>Expressed in:</b>	Sf9 cells
<b>Type:</b>	Recombinant Protein

**Target Details**

<b>Gene Name:</b>	NFATC1
<b>Purity/Specificity:</b>	Recombinant full-length human NFATC1 was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >90% by densitometry.
<b>Relevant Links:</b>	<ul style="list-style-type: none"><li>• <a href="#">NCBI - NM_172390</a></li></ul>

## Application Details

<b>Application Note:</b>	NFATC1 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. NFATC1 Protein is suitable for use in Western Blot. Expect a band approximately ~125kDa 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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