

Datasheet for 009-001-S56S

NFATC1 protein-GST fusion**Overview**

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

Product Details

Background:	NFATC1 is a member of the NFAT family of proteins which are Ca ²⁺ /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.
Synonyms:	NF-ATC, NFATc, NFAT2, MGC138448, Nuclear factor of activated T-cells, cytoplasmic 1 NF-ATc1, NFATc1, NFAT transcription complex cytosolic component
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	NFATC1
Purity/Specificity:	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.
Relevant Links:	• NCBI - NM_172390

Application Details

Application Note:	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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.2 µg/µL
Buffer:	See application note.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	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.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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