Datasheet for ABIN6700318

NFATC1 Protein (GST tag)

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Overview

Quantity:	20 µg
Target:	NFATC1
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NFATC1 protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	NFATC1 recombinant protein-GST fusion protein
Purification:	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.
Purity:	>90%

Target Details

Target:	NFATC1
Alternative Name:	NFATC1 (NFATC1 Products)
Background:	Synonyms: NF-ATC, NFATc, NFAT2, MGC138448, Nuclear factor of activated T-cells, cytoplasmic 1 NF-ATc1, NFATc1, NFAT transcription complex cytosolic component Background: NFATC1 is a member of the NFAT family of proteins which are Ca2+/calcineurin-

Target Details

	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, NfkB Pathway, and p38 Pathway research.
NCBI Accession:	NM_172390
Pathways:	RTK Signaling, WNT Signaling, Fc-epsilon Receptor Signaling Pathway

Application Details

Application Notes:	Western_Blot_Dilution: User Optimized Application_Note: NFATC1 Protein is suitable for use in Western Blot. Expect a band approximately ~125 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.2 µg/µL
Buffer:	NFATC1 Protein is stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.
Storage:	-80 °C
Storage Comment:	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.
Expiry Date:	12 months