

Datasheet for ABIN6700513 **STAT1 Protein (GST tag)**



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Overview

Quantity:	20 µg
Target:	STAT1
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This STAT1 protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	STAT1 alpha recombinant protein-GST fusion protein
Purification:	Recombinant full-length human STAT1 alpha 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:	STAT1
Alternative Name:	STAT1 (STAT1 Products)
Background:	Synonyms: ISGF-3, STAT91, DKFZp686B04100, Signal transducer and activator of transcription 1-alpha/beta, Transcription factor ISGF-3 components p91/p84 Background: STAT1 is a member of the signal transducers and activators of transcription

Target Details

(STAT) family of proteins that carry out a dual function: signal transduction and activation of transcription. STAT1 transcription factor is specific for the IFN pathway and plays a central role in mediating many, if not all, IFN-dependent biological responses (1). Presence of STAT1 leads to an efficient antiviral response when cells were infected with virus suggesting that a STAT-dependent pathway is activated following virus infection by endogenously produced IFN. Virus-induced STAT protein translocation from the cytoplasmic compartment can be detected within 3 h of infection. STAT1 alpha Protein is ideal for investigators involved in Signaling Proteins, Transcription Proteins, Apoptosis/Autophagy, Cancer, ERK/MAPK Pathway, Inflammation, and JAK/STAT Pathway research.

NCBI Accession: [NM_139266](#)

Pathways: [JAK-STAT Signaling](#), [RTK Signaling](#), [Interferon-gamma Pathway](#), [Response to Growth Hormone Stimulus](#), [Cellular Response to Molecule of Bacterial Origin](#), [Positive Regulation of Endopeptidase Activity](#), [Hepatitis C](#), [CXCR4-mediated Signaling Events](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Application_Note: STAT1 alpha Protein is suitable for use in Western Blot. Expect a band approximately ~110 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: STAT1 alpha 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