

## Datasheet for ABIN6700521 **STAT4 Protein (His tag)**



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### Overview

Quantity:	20 µg
Target:	STAT4
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This STAT4 protein is labelled with His tag.
Application:	Western Blotting (WB)

### Product Details

Purpose:	STAT4 recombinant protein-HIS Epitope
Purification:	Recombinant full-length human STAT4 was expressed by baculovirus in Sf9 insect cells using an N-Terminal his epitope. The purity was determined to be >95% by densitometry.
Purity:	>95%

### Target Details

Target:	STAT4
Alternative Name:	STAT4 ( <a href="#">STAT4 Products</a> )
Background:	<p>Synonyms: SLEB11, Signal transducer and activator of transcription 4</p> <p>Background: STAT4 (signal transducer and activator of transcription 4) is a member of the STAT family that is phosphorylated by receptor-associated protein kinases. STATs form homo- or heterodimers and translocate to the cell nucleus where they act as transcription activators. T</p>

## Target Details

helper (Th) cells differentiation is regulated by STAT4 (1). STAT4 controls T1/T2 balance during the response to live influenza virus and isolated viral proteins. The differentiation of gamma interferon (IFN-gamma)-producing Th1 and Tc1 cells after inoculation of live virus occurred independently of STAT4 expression. STAT4 has been shown to control pathogenesis of chronic obstructive pulmonary disease (2). STAT4 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\\_003151](#)

Pathways: [JAK-STAT Signaling](#)

## Application Details

Application Notes: Western\_Blot\_Dilution: User Optimized  
Other: Kinase Assay-User Optimized  
Application\_Note: STAT4 Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~87 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: STAT4 Protein is stored in 50 mM sodium phosphate, pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 0.25 mM DTT, 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