

Datasheet for ABIN6700515 **STAT2 Protein (GST tag)**



[Go to Product page](#)

Overview

Quantity:	20 µg
Target:	STAT2
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This STAT2 protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	STAT2 recombinant protein-GST fusion protein
Purification:	Recombinant full-length human STAT2 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:	STAT2
Alternative Name:	STAT2 (STAT2 Products)
Background:	Synonyms: STAT113, ISGF-3, MGC59816, P113, Signal transducer and activator of transcription 2 Background: STAT2 (Signal transducer and activator of transcription) is a family member of

Target Details

STAT transcription factors that are implicated in programming gene expression in biological events as diverse as embryonic development, programmed cell death, organogenesis, innate immunity, adaptive immunity and cell growth regulation (1). JAKs can phosphorylate and activate STATs. Activation of the JAK/STAT pathway in response to cytokine action can lead to regulation of gene expression during proliferation and differentiation of the immune cells. STATs have been shown to be involved in inflammation, autoimmune and allergic diseases (2). STAT2 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_005419](#)

Pathways: [JAK-STAT Signaling](#), [Hepatitis C](#), [CXCR4-mediated Signaling Events](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Other: Kinase Assay-User Optimized
Application_Note: STAT2 Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~138 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: STAT2 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