



[Go to Product page](#)

Datasheet for ABIN622295

## STAT1 Protein (full length) (His tag)

### Overview

Quantity:	10 µg
Target:	STAT1
Protein Characteristics:	full length
Origin:	Human
Host:	Please inquire
Protein Type:	Recombinant
Purification tag / Conjugate:	This STAT1 protein is labelled with His tag.

### Product Details

Characteristics:	Recombinant Human STAT1
Purity:	> 95.0 % as determined by SDS-PAGE.

### Target Details

Target:	STAT1
Alternative Name:	STAT1 ( <a href="#">STAT1 Products</a> )
Background:	<p>STAT1 Human Recombinant produced in E. coli is a non-glycosylated polypeptide chain having a molecular mass of 90 kDa. This protein is the full-length form of the protein with an amino-terminal His-tag. The STAT1 is purified by proprietary chromatographic techniques.</p> <p>Introduction: STAT1 is a member of the Signal Transducers and Activators of Transcription family of transcription factors. STAT1 is involved in upregulating genes due to a signal by either type I, type II or type III interferons. In response to IFN-<math>\hat{I}^3</math> stimulation, STAT1 forms homodimers</p>

## Target Details

---

or heterodimers with STAT3 that bind to the GAS (Interferon-Gamma Activated Sequence) promoter element, in response to either IFN-alpha or IFN-beta stimulation, STAT1 forms a heterodimer with STAT2 that can bind the ISRE (Interferon Stimulated Response Element) promoter element. In either case, binding of the promoter element leads to an increased expression of ISG (Interferon Stimulated Genes). Synonyms: Signal transducer and activator of transcription 1-alpha/beta, Transcription factor ISGF-3 components p91/p84, STAT1, ISGF-3, STAT91, DKFZp686B04100.

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

---

Restrictions: For Research Use only

## Handling

---

Format: Lyophilized

Buffer: Lyophilized protein with no additives.

Storage: 4 °C