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## Datasheet for ABIN7319272

## **STAT1 Protein**



#### Overview

Quantity:	50 μg
Target:	STAT1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

#### **Product Details**

Purpose:	Recombinant Human STAT1 Protein
Sequence:	Met 1-Val712
Characteristics:	Recombinant Human Signal Transducer and Activator of Transcription 1 is produced by our E.coli expression system and the target gene encoding Met1-Val712 is expressed.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	STAT1
Alternative Name:	STAT1 (STAT1 Products)
Background:	Background: Signal Transducer and Activator of Transcription 1-Alpha/Beta (STAT1) contains one SH2 domain and belongs to the transcription factor STAT family. When tyrosine- and
	serine-phosphorylated, STAT1 can form a homodimer termed IFN-gamma-activated factor
	(GAF), migrate into the nucleus and bind to the IFN gamma activated sequence (GAS) to drive

## Target Details

Molecular Weight:

Pathways:

the expression of the target genes, inducing a cellular antiviral state. STAT1 functions as signal
transducer and transcription activator that mediates cellular responses to interferons. Defects
in STAT1 are the cause of STAT1 deficiency complete and familial candidiasis type 7.
Synonym: Signal Transducer and Activator of Transcription 1-Alpha/Beta, Transcription Factor
ISGF-3 Components p91/p84, STAT1, CANDF7,IMD31A,IMD31B,IMD31C,ISGF-3,STAT91
83.3 kDa
JAK-STAT Signaling, RTK Signaling, Interferon-gamma Pathway, Response to Growth Hormone
Stimulus, Cellular Response to Molecule of Bacterial Origin, Positive Regulation of

# **Application Details**

Restrictions:	For Research Use only

# Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.  Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.