

Recombinant Human STAT2 Protein, His-tagged

Cat. No. STAT2-151H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human signal transducer and activator of transcription 2(STAT2) protein, transcript variant 1(NM_005419), with a His tag, was expressed in human cells.
Species	Human
Source	Human Cells
Description	The protein encoded by this gene is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. In response to interferon (IFN), this protein forms a complex with STAT1 and IFN regulatory factor family protein p48 (ISGF3G), in which this protein acts as a transactivator, but lacks the ability to bind DNA directly. Transcription adaptor P300/CBP (EP300/CREBBP) has been shown to interact specifically with this protein, which is thought to be involved in the process of blocking IFN-alpha response by adenovirus. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	Purified protein formulated in a sterile solution of TBS buffer, pH7.35, without any preservatives.
Molecular Mass	97.7 kDa
Endotoxin	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)

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Purity	>90% by SDS-PAGE gel and Coomassie Blue staining
Applications	Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.
GENE INFORMATION	
Gene Name	STAT2 signal transducer and activator of transcription 2, 113kDa [Homo sapiens]
Official Symbol	STAT2
Synonyms	STAT2; signal transducer and activator of transcription 2, 113kDa; signal transducer and activator of transcription 2, 113kD; signal transducer and activator of transcription 2; STAT113; interferon alpha induced transcriptional activator; P113; ISGF-3; MGC59816;
Gene ID	6773
mRNA Refseq	NM_005419
Protein Refseq	NP_005410
MIM	600556
UniProt ID	P52630

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