

# Recombinant Human signal transducer and activator of transcription 2, 113kDa Protein, His tagged

Cat. No. STAT2-01H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human STAT2 Protein (679-851aa) with C-His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	679-851aa
<b>Description</b>	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. The protein mediates innate antiviral activity. Mutations in this gene result in Immunodeficiency 44.
<b>Tag</b>	C-His
<b>Molecular Mass</b>	21 kDa
<b>AA Sequence</b>	MQEKVNLLQERRKYLKHLRIVVSNRQVDELQQPLELKPEPELESLELELGLVPEPELS LDLEPLLKAGLDLGPELESVLESTLEPVIEPTLCMVSTVPEPDQGPVSPVPEPDL

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	PCDLRHLNTEPMEIFRNCVKIEEIMPNGDPLLAGQNTVDEVYVSRPSHFYTDGPLMP SDFHHHHHHHH
<b>Endotoxin</b>	< 1 EU/μg by LAL.
<b>Purity</b>	> 90 % by SDS-PAGE
<b>Storage</b>	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	1 mg/mL by BCA
<b>Storage Buffer</b>	Sterile PBS, pH7.4.

## GENE INFORMATION

<b>Gene Name</b>	STAT2 signal transducer and activator of transcription 2, 113kDa [Homo sapiens (human)]
<b>Official Symbol</b>	STAT2
<b>Synonyms</b>	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
<b>Gene ID</b>	6773
<b>mRNA Refseq</b>	NM_005419
<b>Protein Refseq</b>	NP_005410

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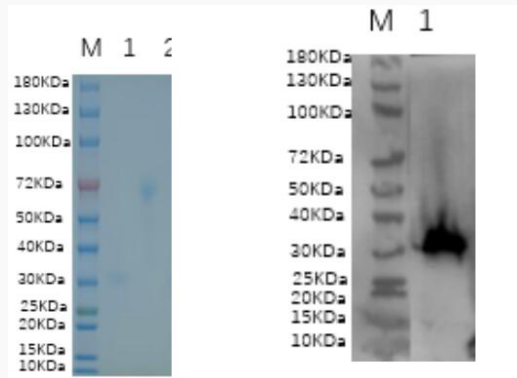
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**MIM** 600556

**UniProt ID** P52630

**Reducing 4 %-20 %  
SDS-PAGE (CBB  
stained) and WB  
(Anti-His Mouse  
Monoclonal  
antibody) analysis  
profiles of purified  
STAT2.**



1. STAT2
2. BSA

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