

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

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

SPECIFICATION

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

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	PCDLRHLNTEPMEIFRNCVKIEEIMPNGDPLLAGQNTVDEVYVSRPSHFYTDGPLMP SDFHHHHHHHH
Endotoxin	< 1 EU/μg by LAL.
Purity	> 90 % by SDS-PAGE
Storage	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.
Concentration	1 mg/mL by BCA
Storage Buffer	Sterile PBS, pH7.4.

GENE INFORMATION

Gene Name	STAT2 signal transducer and activator of transcription 2, 113kDa [Homo sapiens (human)]
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

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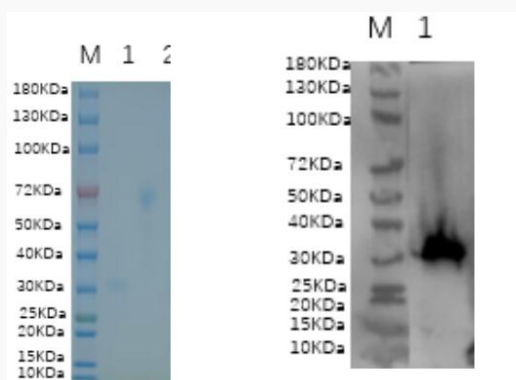
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MIM 600556

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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