

Recombinant Human STAT2

Cat. No. STAT2-30904TH Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant full length protein (Human)

Species Human

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 Liquid

Purity >90% by SDS-PAGE

Storage buffer Preservative: None
Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM PMSF, pH 7.5

Storage Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequence Similarities	Belongs to the transcription factor STAT family.Contains 1 SH2 domain.
Full Length	Full L.
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;
Gene ID	6773
mRNA Refseq	NM_005419
Protein Refseq	NP_005410
MIM	600556
Uniprot ID	P52630
Chromosome Location	12q13.2
Pathway	Adipogenesis, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Cytokine Signaling in Immune system, organism-specific biosystem;

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Function

DNA binding; calcium ion binding; protein binding; sequence-specific DNA binding
transcription factor activity; signal transducer activity;

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