

Recombinant Human STAT4, His-tagged

Cat. No. STAT4-30117TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human STAT4 with N terminal His tag, expressed in a Baculovirus infected Sf9 cell expression system, amino acids 1-748, MW 87kDa.
Species	Human
ProteinLength	1-748 a.a.
Description	<p>The protein encoded by this gene is a member of the STAT family of transcription factors. 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. This protein is essential for mediating responses to IL12 in lymphocytes, and regulating the differentiation of T helper cells. Mutations in this gene may be associated with systemic lupus erythematosus and rheumatoid arthritis. Alternate splicing results in multiple transcript variants that encode the same protein.</p>
Conjugation	HIS
Form	Liquid
Storage buffer	Preservative: 150mM Imidazole Constituents: 25% Glycerol, 0.1% PMSF, 50mM Sodium phosphate, 300mM Sodium chloride, 0.2mM DTT, pH 7
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	STAT4 signal transducer and activator of transcription 4 [Homo sapiens]
Official Symbol	STAT4
Synonyms	STAT4; signal transducer and activator of transcription 4;
Gene ID	6775
mRNA Refseq	NM_001243835
Protein Refseq	NP_001230764
MIM	600558
Uniprot ID	Q14765
Chromosome Location	2q32.2-q32.3
Pathway	Downstream signaling in naive CD8+ T cells, organism-specific biosystem; IL12 signaling mediated by STAT4, organism-specific biosystem; IL12-mediated signaling events, organism-specific biosystem; IL23-mediated signaling events, organism-specific biosystem; IL27-mediated signaling events, organism-specific biosystem;
Function	calcium ion binding; sequence-specific DNA binding; sequence-specific DNA binding

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transcription factor activity; signal transducer activity;

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