

## Recombinant Human STAT4 protein, His/MBP-tagged

**Cat. No.** STAT4-338H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human STAT4(1-243 aa) fused with His/MBP tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-243 aa
<b>Description</b>	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.
<b>Form</b>	Liquid in PBS
<b>Purity</b>	SDS-PAGE >90%
<b>Applications</b>	WB Positive Control
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.

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**Storage**

Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**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

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