

Recombinant Human STAT6 protein, His/MBP-tagged

Cat. No. STAT6-344H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human STAT6(9-267 aa) fused with His/MBP tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	9-267 aa
Description	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 plays a central role in exerting IL4 mediated biological responses. It is found to induce the expression of BCL2L1/BCL-X(L), which is responsible for the anti-apoptotic activity of IL4. Knockout studies in mice suggested the roles of this gene in differentiation of T helper 2 (Th2) cells, expression of cell surface markers, and class switch of immunoglobulins. Alternative splicing results in multiple transcript variants
Form	Liquid in PBS
Purity	SDS-PAGE >90%
Applications	WB Positive Control

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
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	STAT6 signal transducer and activator of transcription 6, interleukin-4 induced [Homo sapiens]
Official Symbol	STAT6
Synonyms	STAT6; signal transducer and activator of transcription 6, interleukin-4 induced; signal transducer and activator of transcription 6; D12S1644; IL 4 STAT; STAT, interleukin4-induced; transcription factor IL-4 STAT; STAT6B; STAT6C; IL-4-STAT;
Gene ID	6778
mRNA Refseq	NM_001178078
Protein Refseq	NP_001171549
MIM	601512
UniProt ID	P42226