

## Recombinant Human STAT6 Protein, MYC/DDK-tagged

Cat. No. STAT6-2897H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human STAT6 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<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 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.</p>
<b>Form</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	94 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

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## GENE INFORMATION

<b>Gene Name</b>	STAT6 signal transducer and activator of transcription 6, interleukin-4 induced [ Homo sapiens ]
<b>Official Symbol</b>	STAT6
<b>Synonyms</b>	D12S1644; IL-4-STAT; STAT6B; STAT6C
<b>Gene ID</b>	6778
<b>mRNA Refseq</b>	NM_001178078
<b>Protein Refseq</b>	NP_001171549
<b>MIM</b>	601512
<b>UniProt ID</b>	P42226

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