

Recombinant Human STAT6 Protein, MYC/DDK-tagged

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

SPECIFICATION

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

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GENE INFORMATION

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

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