

Recombinant Human STAT6 Protein, His-tagged

Cat. No. STAT6-151H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human signal transducer and activator of transcription 6, interleukin-4 induced(STAT6) protein, transcript variant 2(NM_003153), with a His tag, was expressed in human cells.
Species	Human
Source	Human Cells
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	Purified protein formulated in a sterile solution of TBS buffer, pH7.31, without any preservatives.
Molecular Mass	23.9kD
Endotoxin	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)

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Purity	>90% by SDS-PAGE gel and Coomassie Blue staining
Applications	Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.
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

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