

Recombinant Human Signal Transducer And Activator Of Transcription 6, GST-tagged

Cat. No. STAT6-4889H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full-length recombinant human STAT6 was expressed in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
Description	The STAT6 protein is a member of the STAT family of transcription factors that are activated by cytokines and phosphorylated by the receptor associated kinases. STATs form homo- or hetero-dimers that translocate to the cell nucleus where they act as transcription activators. STAT6 plays a central role in exerting IL4 mediated biological responses. STAT6 induces the expression of BCL2L1/BCL-XL, which is responsible for the anti-apoptotic activity of IL4. STAT6 mRNA has been detected in various tissues including peripheral blood lymphocytes, colon, intestine, ovary, prostate, thymus, spleen, kidney, liver, lung and placenta. STAT6 is critically involved in Th2 immune response.
Applications	Kinase Assay; Western Blot
Molecular Weight	138 kDa
Expression System	Sf9 insect cells using baculovirus
Form	Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150

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	mM imidazole, 0.1 mM PMSF, 0.25 mM DTT, 25% glycerol.
Purity	> 80 %
Concentration	0.2 ug/ul
Sequences	Full-length
Storage	Store product at -70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple 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; STAT6B; STAT6C; D12S1644; IL-4-STAT; STAT, interleukin4-induced; transcription factor IL-4 STAT
Gene ID	6778
mRNA Refseq	NM_001178078
Protein Refseq	NP_001171549
MIM	601512
UniProt ID	P42226

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Chromosome**Location**

12q13

FunctionDNA binding; calcium ion binding; protein binding; sequence-specific DNA binding
transcription factor activity; signal transducer activity Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA