

Recombinant Human STAT5A, His-tagged

Cat. No. STAT5A-1498H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human STAT5 was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag. MW = 92 kDa.
Species	Human
Source	Sf9 Cells
Description	STAT5 (signal transducers and activators of transcription 5) is a member of the STAT family and this protein is phosphorylated by receptor associated protein kinases in response to cytokines and growth factors. The differentiation of T helper (Th) cells is regulated by members of the STAT family of signaling molecules. In BCR-ABL-positive cells, STAT5 is constitutively activated by tyrosine phosphorylation. STAT5 activation results in upregulation of Bcl-XL and increased resistance to induction of apoptosis. STAT5 is involved in expression and growth hormone-mediated sexually dimorphic regulation of cytochrome P450 3A10/lithocholic acid 6 beta-hydroxylase.
Sequence	Full-length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70°C. 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

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Gene Name	STAT5A signal transducer and activator of transcription 5A [Homo sapiens]
Synonyms	STAT5A; signal transducer and activator of transcription 5A; MGF; STAT5; STAT5
Gene ID	6776
mRNA Refseq	NM_003152
Protein Refseq	NP_003143
MIM	601511
UniProt ID	P42229
Chromosome Location	17q11.2
Pathway	Acute myeloid leukemia; Chronic myeloid leukemia; ErbB signaling pathway; Jak-STAT signaling pathway; Pathways in cancer
Function	calcium ion binding; phosphate binding; protein binding; signal transducer activity; transcription factor activity

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