

Recombinant Human Signal Transducer And Activator Of Transcription 4, His-tagged

Cat. No. STAT4-4888H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human STAT4 was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag.
Species	Human
Source	Sf9 Cells
Description	STAT4 (signal transducer and activator of transcription 4) is a member of the STAT family that is phosphorylated by receptor-associated protein kinases. STATs form homo- or heterodimers and translocate to the cell nucleus where they act as transcription activators. T helper (Th) cells differentiation is regulated by STAT4. STAT4 controls T1/T2 balance during the response to live influenza virus and isolated viral proteins. The differentiation of gamma interferon (IFN-γ)-producing Th1 and Tc1 cells after inoculation of live virus occurred independently of STAT4 expression. STAT4 has been shown to control pathogenesis of chronic obstructive pulmonary disease.
Applications	Kinase Assay; Western Blot
Molecular Weight	87 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	> 95 %
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.
Pathways	Jak-STAT signaling pathway

GENE INFORMATION

Gene Name	STAT4 signal transducer and activator of transcription 4 [Homo sapiens]
Official Symbol	STAT4
Synonyms	STAT4; signal transducer and activator of transcription 4; SLEB11; OTTHUMP00000163553
Gene ID	6775
mRNA Refseq	NM_003151
Protein Refseq	NP_003142
MIM	600558

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UniProt ID	Q14765
Chromosome Location	2q32.2-q32.3
Function	calcium ion binding; protein binding; signal transducer activity; transcription factor activity

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