

STAT4 recombinant protein

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CATALOG # AAA72890	HOST Sf9 insect cells
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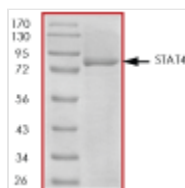
PRODUCT SYNONYMS

STAT4; STAT4 recombinant protein; SLEB11

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Purity/Purification	>95%
Form/Format	50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Concentration	0.2 ug/ul (varies by lot)
Sequence Length	2840
Tag Information	His tag
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	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.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for STAT4 recombinant protein	Recombinant full-length human STAT4 was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag. Scientific Background: 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 (1). STAT4 controls T1/T2 balance during the response to live influenza virus and isolated viral proteins. The differentiation of gamma interferon (IFN-gamma)-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 (2).
Product Categories/Family for STAT4 recombinant protein	Transcription Proteins; Signaling Proteins - Transcription Proteins

References	1. Andrea L W. et al: The biology of Stat4 and Stat6. Oncogene, 2000,19: 21, 2577-2584. 2. Cosio. G M.: Autoimmunity, T-cells and STAT-4 in the pathogenesis of chronic obstructive pulmonary disease. Eur Respir J, 2004; 24:3-5.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	345110658
NCBI GeneID	6775
NCBI Accession #	NP_003142.1
NCBI GenBank Nucleotide #	NM_003151
UniProt Accession #	Q14765; Q96NZ6
Molecular Weight	~87 kDa
NCBI Official Full Name	Homo sapiens signal transducer and activator of transcription 4 (STAT4), transcript variant 1, mRNA
NCBI Official Synonym Full Names	signal transducer and activator of transcription 4
NCBI Official Symbol	STAT4
NCBI Official Synonym Symbols	SLEB11
NCBI Protein Information	signal transducer and activator of transcription 4
UniProt Protein Name	Signal transducer and activator of transcription 4
UniProt Gene Name	STAT4
UniProt Entry Name	STAT4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.