

STAT6 recombinant protein

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CATALOG # AAA72895	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

STAT6; STAT6 recombinant protein; STAT6B; STAT6C; D12S1644; IL-4-STAT

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Purity/Purification	>90%
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Concentration	0.2 ug/ul (varies by lot)
Sequence Length	3838
Applicable Applications for STAT6 recombinant protein	WB (Western Blot), Kinase Assay
Species	Human
Tag Information	GST tag
Source Note	Full-length recombinant human STAT6 was expressed in Sf9 insect cells.
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 degree 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

The purity of STAT6 protein was determined to be >90% by densitometry. Approx. MW 138 kDa.

ADDITIONAL INFORMATION

Related Product Information for STAT6 recombinant protein

Full-length recombinant human STAT6 was expressed in Sf9 insect cells using an N-terminal GST tag.

Scientific Background: 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 (1). 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 (2).

Product Categories/Family for STAT6 recombinant protein	Transcription Proteins ; Signaling Proteins - Transcription Proteins
References	1. Weidinger, S. et al: Association of a STAT 6 haplotype with elevated serum IgE levels in a population based cohort of white adults. J. Med. Genet. 41: 658-663, 2004. 2.Wang, W. et al: The susceptibility to experimental myasthenia gravis of STAT6-/- and STAT4-/- BALB/c mice suggests a pathogenic role of Th1 cells. J. Immun. 172: 97-103, 2004.

NCBI AND UNIPROT INFORMATION

NCBI GI #	49904291
NCBI GeneID	6778
UniProt Accession #	P42226 ; Q5FBW5 ; Q71UP4 ; A8K316 ; B7ZA27 ; F5GXI9
Molecular Weight	~138 kDa
NCBI Official Full Name	Homo sapiens signal transducer and activator of transcription 6, interleukin-4 induced, mRNA
NCBI Official Synonym Full Names	signal transducer and activator of transcription 6, interleukin-4 induced
NCBI Official Symbol	STAT6
NCBI Official Synonym Symbols	STAT6B; STAT6C; D12S1644; IL-4-STAT
NCBI Protein Information	signal transducer and activator of transcription 6; STAT, interleukin4-induced; transcription factor IL-4 STAT
UniProt Protein Name	Signal transducer and activator of transcription 6
UniProt Gene Name	STAT6
UniProt Entry Name	STAT6_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.

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Online datasheet: <https://stage.aaabiotech.com/stat6-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/72895>