

STAT2 recombinant protein

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CATALOG # AAA72903	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

STAT2; STAT2 recombinant protein; STAT113; ISGF-3; MGC59816; P113

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Sequence Length	4576
Applicable Applications for STAT2 recombinant protein	WB (Western Blot), Kinase Assay
Type	Recombinant Fusion Protein
Species	Human
Tag Information	GST tag
Expression System	Sf9 insect cells using baculovirus
Source Note	Recombinant full-length human STAT2 was expressed by baculovirus 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

ADDITIONAL INFORMATION

Related Product Information for STAT2 recombinant protein

Recombinant full-length human STAT2 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.

Scientific Background: STAT2 (Signal transducer and activator of transcription) is a family member of STAT transcription factors that are implicated in programming gene expression in biological events as diverse as embryonic development, programmed cell death, organogenesis, innate immunity, adaptive immunity and cell growth regulation (1). JAKs can phosphorylate and activate STATs. Activation of the JAK/STAT pathway in response to cytokine action can lead to regulation of gene expression during proliferation and differentiation of the immune cells. STATs have been shown to be involved in inflammation, autoimmune and allergic diseases (2).

Product Categories/Family for STAT2 recombinant protein	Transcription Proteins ; Signaling Proteins - Transcription Proteins
References	1. Horvath, C.M.: STAT proteins and transcriptional responses to extracellular signals. Trends Biochem Sci. 2000 Oct;25(10):496-502. 2. Pfitzner, E. et al: The role of STATs in inflammation and inflammatory diseases. Curr Pharm Des. 2004;10(23):2839-50.

NCBI AND UNIPROT INFORMATION

NCBI GI #	291219920
NCBI GeneID	6773
NCBI Accession #	NP_005410.1
NCBI GenBank Nucleotide #	NM_005419
UniProt Accession #	P52630 ; Q16430 ; Q16431 ; Q9UDL4 ; B4DLC7 ; G3V2M6
Molecular Weight	~138 kDa
NCBI Official Full Name	Homo sapiens signal transducer and activator of transcription 2, 113kDa (STAT2), transcript variant 1, mRNA
NCBI Official Synonym Full Names	signal transducer and activator of transcription 2, 113kDa
NCBI Official Symbol	STAT2
NCBI Official Synonym Symbols	P113; ISGF-3; STAT113
NCBI Protein Information	signal transducer and activator of transcription 2; interferon alpha induced transcriptional activator
UniProt Protein Name	Signal transducer and activator of transcription 2
UniProt Gene Name	STAT2
UniProt Entry Name	STAT2_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/stat2-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/72903>