

STAT1 alpha recombinant protein

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CATALOG # AAA72916	HOST Sf9 insect cells	APPLICATIONS Western Blot
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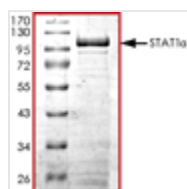
PRODUCT SYNONYMS

STAT1 alpha; STAT1 alpha recombinant protein; ISGF-3; STAT91; DKFZp686B04100; STAT1alpha Protein; STAT1a Protein

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.
Concentration	0.2ug/ul (varies by lot)
Sequence Length	2798
Applicable Applications for STAT1 alpha recombinant protein	WB (Western Blot)
Type	Recombinant Fusion Protein
Species	Human
Tag Information	GST tag
Expression System	Sf9 insect cells using baculovirus
Source Note	Recombinant full-length human STAT1 alpha 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

The purity of STAT1alpha was determined to be >90% by densitometry. Approx. MW: 110kDa

ADDITIONAL INFORMATION

Related Product Information for STAT1 alpha recombinant protein	Recombinant full-length human STAT1 alpha was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: STAT1 is a member of the signal transducers and activators of transcription (STAT) family of proteins that carry out a dual function: signal transduction and activation of transcription. STAT1 transcription factor is specific for the IFN pathway and plays a central role in mediating many, if not all, IFN-dependent biological responses (1). Presence of STAT1 leads to an efficient antiviral response when cells were infected with virus suggesting that a STAT-dependent pathway is activated following virus infection by endogenously produced IFN. Virus-induced STAT protein translocation from the cytoplasmic compartment can be detected within 3 h of infection.
Product Categories/Family for STAT1 alpha recombinant protein	Transcription Proteins ; Signaling Proteins - Transcription Proteins
References	1. Improt, T. et al: Susceptibility to virus infection is determined by a Stat-mediated response to the autocrine effect of virus-induced type I interferon. Cytokine. 1997 Jun;9(6):383-93.

NCBI AND UNIPROT INFORMATION

NCBI GI #	189458858
NCBI GeneID	6772
NCBI Accession #	NP_644671.1
NCBI GenBank Nucleotide #	NM_139266
UniProt Accession #	P42224 ; Q53S88 ; Q53XW4 ; Q68D00 ; Q9UDL5 ; A8K989 ; B2RCA0 ; D2KFR8 ; D3DPI7
Molecular Weight	~110 kDa
NCBI Official Full Name	Homo sapiens signal transducer and activator of transcription 1, 91kDa (STAT1), transcript variant beta, mRNA
NCBI Official Synonym Full Names	signal transducer and activator of transcription 1, 91kDa
NCBI Official Symbol	STAT1
NCBI Official Synonym Symbols	CANDF7; ISGF-3; STAT91
NCBI Protein Information	signal transducer and activator of transcription 1-alpha/beta; transcription factor ISGF-3 components p91/p84; signal transducer and activator of transcription-1
UniProt Protein Name	Signal transducer and activator of transcription 1-alpha/beta
UniProt Gene Name	STAT1
UniProt Entry Name	STAT1_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://www.aaabiotech.com/stat1-recombinant-protein-sf9-wb-western-blot/72916>