

Recombinant Human Signal Transducer And Activator Of Transcription 1, 91kDa, GST-tagged

Cat. No. STAT1-4885H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human STAT1 beta was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
Description	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. 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.
Applications	Kinase Assay; Western Blot
Molecular Weight	118 kDa
Expression System	Sf9 insect cells using baculovirus
Form	Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 0.25 mM DTT, 25% glycerol.

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Purity	> 90 %
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	Chemokine signaling pathway; Jak-STAT signaling pathway; Pancreatic cancer; Toll-like receptor signaling pathway; Signaling by PDGF

GENE INFORMATION

Gene Name	STAT1 signal transducer and activator of transcription 1, 91kDa [Homo sapiens]
Official Symbol	STAT1
Synonyms	STAT1; signal transducer and activator of transcription 1, 91kDa; ISGF-3; STAT91; DKFZp686B04100; OTTHUMP00000205845; signal transducer and activator of transcription 1; signal transducer and activator of transcription-1; transcription factor ISGF-3 components p91/p84
Gene ID	6772
mRNA Refseq	NM_007315
Protein Refseq	NP_009330
MIM	600555

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UniProt ID	P42224
Chromosome Location	2q32.2
Function	calcium ion binding; matopoietin/interferon-class (D200-domain) cytokine receptor signal transducer activity; protein binding; sequence-specific DNA binding; signal transducer activity; transcription factor activity

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