

Recombinant Human STAT1 Protein, MYC/DDK-tagged

Cat. No. STAT1-2901H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human STAT1 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein can be activated by various ligands including interferon-alpha, interferon-gamma, EGF, PDGF and IL6. This protein mediates the expression of a variety of genes, which is thought to be important for cell viability in response to different cell stimuli and pathogens. Two alternatively spliced transcript variants encoding distinct isoforms have been described.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	82.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	STAT1 signal transducer and activator of transcription 1, 91kDa [Homo sapiens]
Official Symbol	STAT1
Synonyms	CANDF7; IMD31A; IMD31B; IMD31C; ISGF-3; STAT91
Gene ID	6772
mRNA Refseq	NM_007315
Protein Refseq	NP_009330
MIM	600555
UniProt ID	P42224

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