

Recombinant Human STAT1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. STAT1-4597H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | STAT1 MS Standard C13 and N15-labeled recombinant protein (NP_009330) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells. |
| 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. |
| Molecular Mass | 87.2 kDa |
| AA Sequence | MSQWYELQQLDSKFLEQVHQLYDDSFPMERQYLAQWLEKQDWEHAANDVSFATIRFHDLLSQLDDQYSRFSLENNFLLQHNIRKSKRNLQDNFQEDPIQMSMIIYSCLKEERKILENAQRFNQAQSGNIQSTVMLDKQKELDSKVRNVKDKVMCIEHEIKSLEDLQDEYDFKCKTLQNHETNGVAKSDQKQEQLLLKMYLMLDNKRKEVVHKIPELLNVTTEL |

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QNALINDELVEWKRRQQSACIGGPPNACLDQLQNWFTIVAESLQQVRQQLKKLEEL
 EQKYTYEHDPITKNKQVLWDRTFSLFQQLIQSSFVVERQPCMPHPQRPLVLKTGV
 QFTVKLRLLLVKLQELNYNLKVKVLFDKDVNERNTVKGFRKFNILGHTHTKVMNMEEST
 NGSLAAEFRHLQLKEQKNAGTRTNEGPLIVTEELHSLSFETQLCQPGLVIDLETTSLP
 VVVISNVSQLP SGWASILWYNMLVAEPRNLSFFLTPPCARWAQLSEVLSWQFSSVT
 KRGLNVDQLNMLGEKLLGPNASPDGLIPWTRFCKENINDKNFPFWLWIESILELIKHH
 LLPLWNDGCIMGFISKERERALLKDQQPGTFLLRFSESSREGAITFTWVERSQNGGE
 PDFHAVEPYTKKELSAVTFPDIIRNYKVMMAENIPENPLKYLYPNIDKDHAFGKYYSR
 PKEAPEPEMELDGPKGTGYIKTELISVSEVHPSRLQTTDNLLPMSPEEFDEVSRIVGSV
 EFDSMMNTVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name STAT1 signal transducer and activator of transcription 1 [Homo sapiens (human)]

Official Symbol STAT1

Synonyms STAT1; signal transducer and activator of transcription 1, 91kDa; signal transducer and activator of transcription 1, 91kD; signal transducer and activator of transcription 1-alpha/beta; ISGF 3; STAT91; transcription factor ISGF 3 components p91/p84;

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transcription factor ISGF-3 components p91/p84; signal transducer and activator of transcription-1; CANDF7; ISGF-3; DKFZp686B04100;

Gene ID 6772

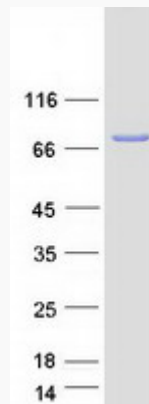
mRNA Refseq NM_007315

Protein Refseq NP_009330

MIM 600555

UniProt ID P42224

SDS-PAGE



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