

Signal Transducer and Activator of Transcription 1 Recombinant Protein | STAT1 recombinant protein

Recombinant Human Signal Transducer and Activator of Transcription 1

CATALOG #
AAA38410

PRODUCT SYNONYMS

Signal Transducer and Activator of Transcription 1; Recombinant Human Signal Transducer and Activator of Transcription 1; STAT1 Human; Signal Transducer and Activator of Transcription 1 Human Recombinant; Signal transducer and activator of transcription 1-alpha/beta; Transcription factor ISGF-3 components p91/p84; STAT1; ISGF-3; STAT91; DKFZp686B04100; STAT1 recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	STAT1 0.5mg/ml protein solution contains 20mM Tris-HCl buffer pH-8, 0.1M NaCl, 1mM DTT and 10% glycerol
Sequence	MGSSHHH HHHSSGLVPR GSHMSQ WYELQQLDSK FLEQVHQLYD DSFPMEIRQY LAQWLEKQDW EHAANDVSFA TIRFHDLLSQ LDDQYSRFSL ENNFLLQHNI RSKRNLQDN FQEDPIQMSM IYISCLKEER KILENAQRFN QAQSGNIQST VMLDKQKELD SKVRNVKDKV MCIEHEIKSL EDLQDEYDFK CKTLQNRHEH TNGVAKSDQK QEQLLLKKMY LMLDNKRKEV VHKEIHELLN TELTQNALIN DELVEWKRRQ QSACIGGPPN ACLDQLQNW F TIVAESLQQV RQQLKKLEEL EQKYTYEHDP ITKNKQVLWD RTFSLFQQLI QSSFVVERQP CMPHTPQRPL VLKTGVQFTV KLRLLVKLQE LNYNLKVKVL FDKDVNERNT VKGFRKFNIL GHTHKVMNME ESTNGSLAAE FRHLQLKEQK NAGTRTNEGP LIVTEELHSL SFETQLCQPG LVIDLETTSL PVVVISNVSQ LPSGWASILW YNMLVAEPRN LSFFLTPPCA RWAQLSEVLS WQFSSVTKRG LNVDQLNMLG EKLLGPNASP DGLIPWTRFC KENINDKNFP FWLWIESILE LIKKHLLPLW NDGCIMGFIS KERERALLKD QPGTFLLRF SESSREGAIT FTWVERSQNG GEPDFHVEP YTKKELSAVT FPDIIIRNYKV MAAENIPENP LKYLYPNIDK DHAFGKYYSR PKEAPEPMEL DGPKGTYGIK TELISVSEV
Sequence Length	750
Source	E Coli
Physical Appearance	Sterile Filtered clear solution.
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for STAT1 recombinant protein	Description: STAT1 Recombinant Human produced in E Coli is a single, non-glycosylated polypeptide chain containing 732 amino acids (1-712 a.a.) and having a molecular mass of 85.2 kDa. The STAT1 is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. Introduction: STAT1 is a member of the Signal Transducers and Activators of Transcription family of transcription factors. STAT1 is involved in upregulating genes due to a signal by either type I or type II interferons. In response to IFN-γ stimulation, STAT1 forms homodimers or heterodimers with STAT3 that bind to the GAS (Interferon-Gamma Activated Sequence) promoter element; in response to either IFN-γ or IFN-β stimulation, STAT1 forms a heterodimer with STAT2 that can bind the ISRE (Interferon Stimulated Response Element) promoter element. In either case, binding of the promoter element leads to an increased expression of ISG (Interferon Stimulated Genes).
Product Categories/Family for STAT1 recombinant protein	Protein Kinases; Enzymes; Protein Kinases

NCBI AND UNIPROT INFORMATION

NCBI GI #	6274552
NCBI GeneID	6772
NCBI Accession #	NP_009330.1
NCBI GenBank Nucleotide #	NM_007315.3
UniProt Accession #	P42224; Q53S88; Q53XW4; Q68D00; Q9UDL5; A8K989; B2RCA0; D2KFR8; D3DPI7
Molecular Weight	85.2kDa
NCBI Official Full Name	signal transducer and activator of transcription 1-alpha/beta isoform alpha
NCBI Official Synonym Full Names	signal transducer and activator of transcription 1, 91kDa
NCBI Official Symbol	STAT1
NCBI Official Synonym Symbols	CANDF7; IMD31A; IMD31B; IMD31C; ISGF-3; STAT91
NCBI Protein Information	signal transducer and activator of transcription 1-alpha/beta; signal transducer and activator of transcription 1, 91kD; signal transducer and activator of transcription-1; transcription factor ISGF-3 components p91/p84
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://stage.aaabiotech.com/stat1-recombinant-protein/38410>