

STAT1 recombinant protein

STAT1, 1-712aa, Human, His tag, E Coli

CATALOG # AAA48591	HOST E Coli	APPLICATIONS SDS-Page
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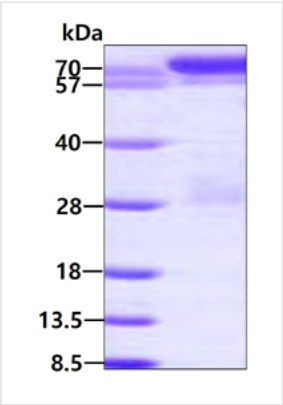
PRODUCT SYNONYMS

STAT1; 1-712aa; Human; His tag; E Coli; Signal transducer and activator of transcription 1 91kDa; ISGF-3; STAT91; Transcription factor ISGF-3 components p91/p84; Signal transducer and activator of transcription 1; 91kDa; STAT1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 0.1M NaCl, 1mM DTT, 10% glycerol
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSGLVPRGSH MSQWYELQQL DSKFLEQVHQ LYDDSFPM EI RQYLAQWLEK QDWEHAANDV SFATIRFHD LLSQLDDQYSR FSLENNFLLQ HNIRKSKRNL QDNFQEDPIQ MSMIYSCLK EERKILENAQ RFNQAQSGNI QSTVMLDKQK ELDSKVRNVK DKVMCIEHEI KSLEDLQDEY DFKCKTLQNR EHETNGVAKS DQKQEQLLLK KMYLMLDNKR KEVVHKIIE LNVTELTQNA LINDELVEWK RRQQSACIGG PPNACLDQLQ NWFTIVAESL QQVRQQLKKL EELEQKYTYE HDPITKNKQV LWDRTFSLFQ QLIQSSFVVE RQPCMPHPQ RPLVLKTGVQ FTVKLRLLVK LQELNYNLKV KVLFDKDVNE RNTVKGFRKF NILGTHTKVM NMEESTNGSL AAEFRHLQLK EQKNAGTRTN EGPLIVTEEL HSLSFETQLC QPGLVIDLET TSLPVVVISN VSQLP SGWAS ILWYNMLVAE PRNLSFFLTP PCARWAQLSE VLSWQFSSVT KRGLNVDQLN MLGEKLLGPN ASPDGLIPWT RFCKENINDK NFPFWLWIES ILELIKKHLL PLWNDGCIMG FISKERERAL LKDQQPGTFL LRFSESSREG AITFTWVERS QNGGEPDFHA VEPYTKKELS AVTFPDIIRN YKVMAAENIP ENPLKYLYPN IDKDHAFGKY YSRPKEAPEP MELDGPKGTG YIKTELISVS EV
Sequence Length	750
Applicable Applications for STAT1 recombinant protein	SDS-PAGE
Tag Information	His-tag
Domain	1-712aa
Preparation and Storage	Can be stored at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE
3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for STAT1 recombinant protein	STAT1, also known as STAT91, 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. STAT1 is activated by peptide hormones, growth factors and cytokines, particularly cytokines of the interferon family. Recombinant human STAT1 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for STAT1 recombinant protein	Cancer
References	Farlik M., et al. (2010) Immunity. 33 (1):25-34.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6274552
NCBI GeneID	6772
NCBI Accession #	NP_009330
NCBI GenBank Nucleotide #	NM_007315.3
UniProt Accession #	P42224; Q53S88; Q53XW4; Q68D00; Q9UDL5; A8K989; B2RCA0; D2KFR8; D3DPI7
Molecular Weight	85.2 kDa (732aa), confirmed by MALDI-TOF
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
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
UniProt Protein Name	Signal transducer and activator of transcription 1-alpha/beta
UniProt Gene Name	STAT1

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.