

Datasheet for ABIN7596451
STAT3 Protein (AA 1-770) (His tag)



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Overview

Quantity:	250 µg
Target:	STAT3
Protein Characteristics:	AA 1-770
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This STAT3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MAQWNQLQQL DTRYLEQLHQ LYSDSFPMEL RQFLAPWIES QDWAYAASKE SHATLVFHNL LGEIDQQYSR FLQESNVLYQ HNLRRIKQFL QSRYLEKPME IARIVARCLW EESRLLQTAA TAAQQGGQAN HPTAAVTEK QQMLEQHLQD VRKRVQDLEQ KMKVVENLQD DDFDNKYTLK SQGDMQDLNG NNQSVTRQKM QQLEQMLTAL DQMRRSIVSE LAGLLSAMEY VQKTLTDEEL ADWKRRQZIA CIGGPPNICL DRLENWITSL AESQLQTRQQ IKKLEELQK VSYKGDPVQ HRPMLEERIV ELFRNLMKSA FVVERQPCMP MHPDRPLVIK TGVQFTTKVR LLVKFPELNY QLKIKVCIDK DSGDVAALRG SRKFNILGTN TKVMNMEESN NGSLSAEFKH LTLREQRCGN GGRANCDASL IVTEELHLIT FETEVYHQGL KIDLETHSLP VVVISNICQM PNAWASILWY NMLTNNPKNV NFFTCKPIGT WDQVAEVLWS QFSSTTKRGL SIEQLTTLAE KLLGPGVNYS GCQITWAKFC KENMAGKGFS FWVWLDNIID LVKKYILALW NEGIMGFIS KERERAILST KPPGTFLRF SESSKEGGVT FTWVEKDISG KTQIQSVEPY TKQQLNMSF AEIIMGYKIM DATNILVSPL VYLYPDIPKE EAFGKYCRPE SQEHPEADPG SAAPYLKTKF ICVTPTTCSN
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Product Details

TIDLPMSPRT LDSLMQFGNN GEGAEPSAGG QFESLTFDME LTSECATSPM

Purity: > 90% by SDS-PAGE

Endotoxin Level: < 1 EU per 1ug of protein (determined by LAL method)

Target Details

Target: STAT3

Alternative Name: STAT3 ([STAT3 Products](#))

Background: STAT3, also known as signal transducer and activator of transcription 3 isoform 1, is a member of the STAT protein family. It is a transcription factor activated in response to cytokine, growth factor, or hormone receptor signaling. Once this protein is activated, recruits coactivators, such as NCOA1 or MED1, to the promoter region of the target gene and it mediates cellular responses to activated FGFR1, FGFR2, FGFR3 and FGFR4. It also acts as a regulator of inflammatory response by regulating differentiation of naive CD4+ T-cells into T-helper Th17 or regulatory T-cells. Recombinant human STAT3 protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Molecular Weight: 88.8 kDa (776aa)

NCBI Accession: [NP_644805](#)

Pathways: [JAK-STAT Signaling](#), [RTK Signaling](#), [Interferon-gamma Pathway](#), [Neurotrophin Signaling Pathway](#), [Dopaminergic Neurogenesis](#), [Response to Growth Hormone Stimulus](#), [Carbohydrate Homeostasis](#), [Stem Cell Maintenance](#), [Hepatitis C](#), [Protein targeting to Nucleus](#), [Feeding Behaviour](#), [CXCR4-mediated Signaling Events](#), [Signaling of Hepatocyte Growth Factor Receptor](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: 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.