



[Go to Product page](#)

Datasheet for ABIN5710422

STAT3 Protein (AA 50-240, partial) (His-SUMO Tag)

1 Image

Overview

Quantity:	100 µg
Target:	STAT3
Protein Characteristics:	AA 50-240, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This STAT3 protein is labelled with His-SUMO Tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	ESHATLVFHN LLGEIDQQYS RFLQESNVLY QHNLRRIKQF LQSRYLEKPM EIARIVARCL WEESRLLQTA ATAAQQGGQA NHPTAAVVTE KQQMLEQHLQ DVRKRVQDLE QKMKVVENLQ DDDFNFYKTL KSQGDMQDLN GNNQSVTRQK MQQLEQMLTA LDQMRRSIVS ELAGLLSAME YVQKTLTDEE L
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	STAT3
Alternative Name:	STAT3 (STAT3 Products)
Background:	Signal transducer and transcription activator that mediates cellular responses to interleukins,

Target Details

KITLG/SCF and other growth factors. May mediate cellular responses to activated FGFR1, FGFR2, FGFR3 and FGFR4. Binds to the interleukin-6 (IL-6)-responsive elements identified in the promoters of various acute-phase protein genes. Activated by IL31 through IL31RA. Cytoplasmic STAT3 represses macroautophagy by inhibiting EIF2AK2/PKR activity. Plays an important role in host defense in methicillin-resistant S.aureus lung infection by regulating the expression of the antimicrobial lectin REG3G .

Molecular Weight: 38.2 kDa

UniProt: [P40763](#)

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

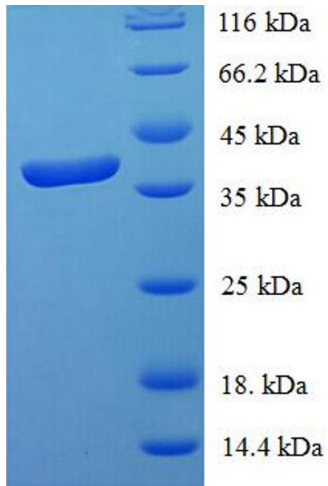
Format: Liquid

Concentration: 0.1-2 mg/mL

Buffer: 20 mM Tris-HCl based buffer, pH 8.0

Storage: -80 °C, 4 °C, -20 °C

Storage Comment: Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE

Image 1.