



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## STAT3 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00006774-T01

規格 : [ 100 uL ]

[List All](#)

### Specification

**Transfected Cell Line:** 293T

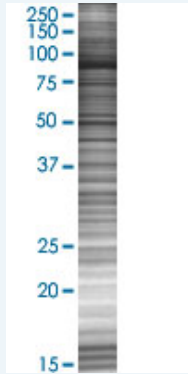
**Plasmid:** pCMV-STAT3 full-length

**Host:** Human

**Theoretical MW (kDa):** 88.1

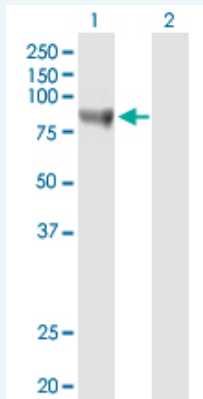
**Quality Control Testing:** Transient overexpression cell lysate was tested with Anti-STAT3 antibody ([H00006774-B01P](#)) by Western Blots.

#### SDS-PAGE Gel



STAT3 transfected lysate.

#### Western Blot



Lane 1: STAT3 transfected lysate ( 88.1 KDa)

Lane 2: Non-transfected lysate.

**Storage Buffer:** 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**MSDS:**  [Download](#)

### Applications

### Application Image

Western Blot

## Western Blot

### Gene Information

Entrez GeneID: [6774](#)

GeneBank [NM\\_139276](#)  
Accession#:

Protein [AAH14482.1](#)  
Accession#:

Gene Name: STAT3

Gene Alias: APRF,FLJ20882,HIES,MGC16063

Gene Description: signal transducer and activator of transcription 3 (acute-phase response factor)

Omim ID: [102582](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** 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 is activated through phosphorylation in response to various cytokines and growth factors including IFNs, EGF, IL5, IL6, HGF, LIF and BMP2. This protein mediates the expression of a variety of genes in response to cell stimuli, and thus plays a key role in many cellular processes such as cell growth and apoptosis. The small GTPase Rac1 has been shown to bind and regulate the activity of this protein. PIAS3 protein is a specific inhibitor of this protein. Three alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq]

**Other Designations:** DNA-binding protein APRF,acute-phase response factor,signal transducer and activator of transcription 3

### Gene Pathway

[Acute myeloid leukemia](#) [Adipocytokine signaling pathway](#) [Chemokine signaling pathway](#) [Jak-STAT signaling pathway](#) [Pancreatic cancer](#) [Pathways in cancer](#)

### Related Disease

[Abortion](#), [Habitual Asthma](#) [Asthma](#) [Autoimmune Diseases](#) [Birth Weight](#) [Breast cancer](#) [Breast Neoplasms](#) [Bronchiolitis](#), [Viral Carcinoma](#), [Hepatocellular Carcinoma](#), [Renal Cell Cardiovascular Diseases](#) [Cleft Lip](#) [Cleft Palate](#) [Colitis](#), [Ulcerative Crohn Disease](#) [Crohn's disease](#) [Depressive Disorder](#), [Major Dermatitis](#), [Atopic Diabetes Mellitus](#), [Type 1](#)

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