

# Recombinant Human STAT3 Protein (His Tag)

Catalog Number:PKSH033057



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

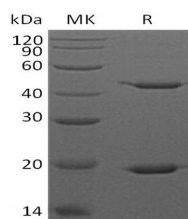
## Description

<b>Synonyms</b>	Signal Transducer and Activator of Transcription 3;Acute-Phase Response Factor;STAT3;APRF
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Met 1-Asn175
<b>Accession</b>	P40763
<b>Calculated Molecular Weight</b>	21.8 kDa
<b>Observed molecular weight</b>	19&46 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM Tris-HCl, 10% Trehalose, 50mM NaCl, 0.05% Tween 80, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific b
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Signal Transducer and Activator of Transcription 3 (STAT3) belongs to the transcription factor STAT family. STAT3 contains one SH2 domain and is a transcription factor expressed in most cell types. STAT3 is activated by multiple cytokines and growth factors including: IFN- $\alpha$ , IL-10, IL-6, IL-11, IL-12, IL-2, EGF etc. STAT3 functions as signal transducer and transcription activator that mediates cellular responses to interleukins, KITLG/SCF and other growth factors. In addition, STAT3 may also mediate cellular responses to activated FGFR1, FGFR2, FGFR3 and FGFR4.

## For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017