

# Human STAT4 Protein

Cat. No. STA-HB1T4

## Description

<b>Source</b>	Recombinant Human STAT4 Protein is expressed from Baculovirus-Insect Cells with His tag at the N-terminus. It contains Met1-Glu748.
<b>Accession</b>	Q14765
<b>Molecular Weight</b>	The protein has a predicted MW of 87.75 kDa same as Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC

## Formulation and Storage

<b>Formulation</b>	Supplied as 0.22 µm filtered solution in 20mM Tris, 500mM NaCl, 20% glycerol, 0.5mM DTT (pH 7.5).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Signal transducer and activator of transcription 4 (STAT4) is a member of the STAT family and localizes to the cytoplasm. STAT4 is phosphorylated after a variety of cytokines bind to the membrane, and then dimerized STAT4 translocates to the nucleus to regulate gene expression.

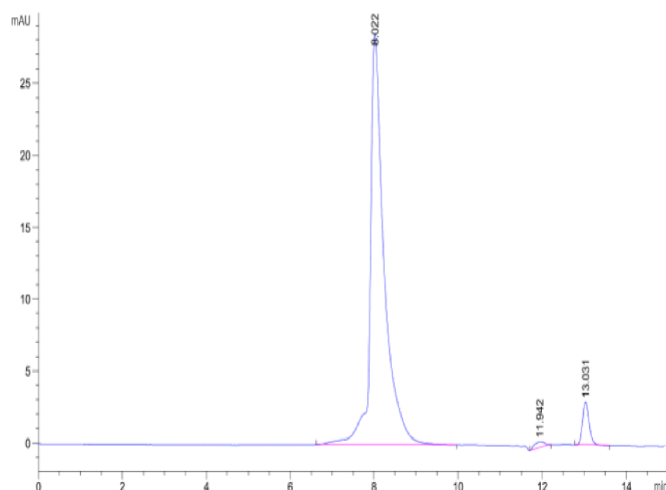
## Assay Data

### Bis-Tris PAGE



Human STAT4 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Human STAT4 is greater than 90% as determined by SEC-HPLC.