

Human STAT4 Protein

Cat. No. STA-HB1T4



Description	
Source	Recombinant Human STAT4 Protein is expressed from Baculovirus-Insect Cells(Sf9) with His tag at the N-terminus. It contains Met1-Glu748.
Accession	Q14765
Molecular Weight	The protein has a predicted MW of 87.75 kDa same as Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC

Formulation and Storage	
Formulation	Supplied as 0.22 µm filtered solution in 20mM Tris, 500mM NaCl, 20% glycerol, 0.5mM DTT (pH 7.5).
Storage	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.	

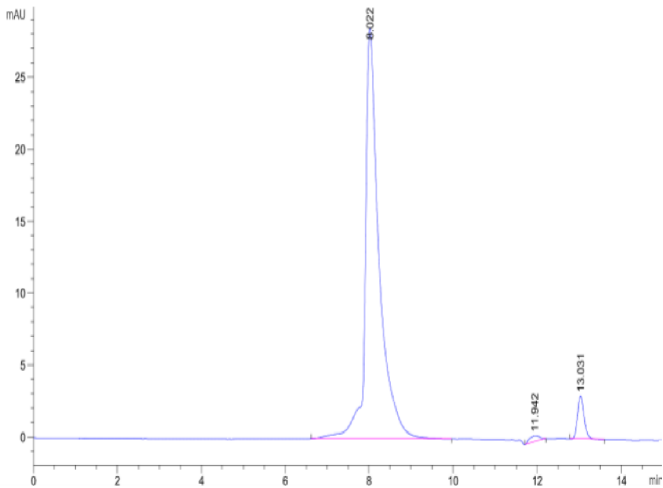
Assay Data

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.