

Human STAT4 Protein (His Tag)

Catalog Number: 13189-H07B



Sino Biological Inc.

Biological Solution Specialist

General Information

Gene Name Synonym:

SLEB11

Protein Construction:

A DNA sequence encoding the human STAT4 (Q14765) (Met 1-Glu 748) was expressed, with a polyhistidine tag at the N-terminus.

Source: Human

Expression Host: Baculovirus-Insect Cells

QC Testing

Purity: > 85 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Met

Molecular Mass:

The recombinant human STAT4 consists of 767 amino acids and predicts a molecular mass of 88 kDa. It migrates as an approximately 70 kDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 20% gly, 0.5mM DTT

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

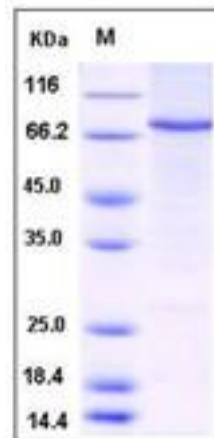
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



References

- 1.Thierfelder WE, *et al.* (1996) Requirement for Stat4 in interleukin-12-mediated responses of natural killer and T cells. *Nature*. 382(6587):171-4.
- 2.Hye-Soon L, *et al.* (2007) Association of STAT4 with Rheumatoid Arthritis in the Korean Population. *Mol Med*. 13(9-10): 455-60.
- 3.Chitnis T, *et al.* (2001) Effect of targeted disruption of STAT4 and STAT6 on the induction of experimental autoimmune encephalomyelitis. *J Clin Invest*. 108(5): 739-47.

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