

37-1303: Human STAT6 Recombinant Protein (His Tag)(Discontinued)

Reactivity : Human

Alternative Name : D12S1644 Protein, IL-4-STAT Protein, STAT6B Protein, STAT6C Protein,

Description

Source : Baculovirus-Insect Cells

Signal transducer and activator of transcription 6 (STAT6) is a transcription factor that is activated by interleukin-4 (IL-4)-induced tyrosine phosphorylation and mediates most of the IL-4-induced gene expression. STAT6 plays a central role in exerting interleukin-4 (IL-4) mediated biological responses and is found to induce the expression of BCL2L1/BCL-XL, which is responsible for the anti-apoptotic activity of IL4. Transcriptional activation by STAT6 requires the interaction with coactivators like p3 and the CREB-binding protein (CBP). NF- κ B and tyrosine-phosphorylated Stat6 can directly bind each other in vitro and in vivo, which suggest that the direct interaction between Stat6 and NF- κ B may provide a basis for synergistic activation of transcription by IL-4 and activators of NF- κ B.

Product Info

Amount : Human STAT6 Recombinant Protein (His Tag)(Discontinued) / 200 μ g

Purification : > 90 % as determined by SDS-PAGE

Content : Formulation Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 20% gly, 0.3mM DTT
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

Storage condition : Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Amino Acid : Met1-Trp847

Application Note

Endotoxin : < 1.0 EU per μ g of the protein as determined by the LAL method

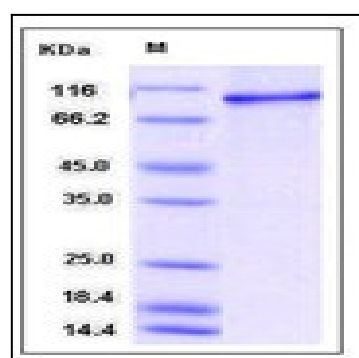


Fig 1: Human STAT6 Recombinant Protein (His Tag)