

Recombinant Human STAT6 Protein (His tag)

Cat.NO.: TP08354

3th Edition

Synonyms:D12S1644;IL-4-STAT;STAT6B;STAT6C

Description: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 p300 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.

Form:PBS

Molecular Weight:95.5 kDa

Sequences:Met 1-Trp 847

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.