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## Recombinant Rat STAT6 Protein, N-His

Catalog Number: bs-105781P

Species: Rat

AA Seq: 557-841/841

Predicted MW: 33.63 kDa

Tags: N-His

Purity: >90% as determined by SDS-PAGE.

Purification: AC

Form: Lyophilized

Storage: Lyophilized from a solution in PBS pH 7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol.

Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8°C for frequent use. Store at -20 to -80°C for twelve months from the date of receipt.

**Background:** The protein encoded by this gene is a member of the STAT family of transcription factors. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein plays a central role in exerting IL4 mediated biological responses. It is found to induce the expression of BCL2L1/BCL-X (L), which is responsible for the anti-apoptotic activity of IL4. Knockout studies in mice suggested the roles of this gene in differentiation of T helper 2 (Th2) cells, expression of cell surface markers, and class switch of immunoglobulins. Also known as: signal transducers and activators of transduction 6; D12S1644; IL 4 STAT; IL4 STAT; Interleukin 4 Induced; Interleukin 4 Induced Transcription Factor IL4 STAT; Signal Transducer And Activator Of Transcription 6 Interleukin 4 Induced; Signal Transducer And Activator Of Transcription 6 Nirs Variant 1; STAT 6; STAT interleukin4 induced; STAT6B; STAT6C; Transcription factor IL 4 STAT.