

Recombinant Human STAT5B protein, His/MBP-tagged

Cat. No. STAT5B-343H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human STAT5B(383-572 aa) fused with His/MBP tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	383-572 aa
Description	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 mediates the signal transduction triggered by various cell ligands, such as IL2, IL4, CSF1, and different growth hormones. It has been shown to be involved in diverse biological processes, such as TCR signaling, apoptosis, adult mammary gland development, and sexual dimorphism of liver gene expression. This gene was found to fuse to retinoic acid receptor-alpha (RARA) gene in a small subset of acute promyelocytic leukemias (APLL). The dysregulation of the signaling pathways mediated by this protein may be the cause of the APLL.
Form	Liquid in PBS
Purity	SDS-PAGE >90%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	WB Positive Control
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	STAT5B signal transducer and activator of transcription 5B [Homo sapiens]
Official Symbol	STAT5B
Synonyms	STAT5B; signal transducer and activator of transcription 5B; transcription factor STAT5B; STAT5;
Gene ID	6777
mRNA Refseq	NM_012448
Protein Refseq	NP_036580
MIM	604260
UniProt ID	P51692

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