

# Recombinant Human STAT5B

Catalog No: #GP10072



Package Size: #GP10072-1 100ug

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## Description

Product Name	Recombinant Human STAT5B
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 46-351 amino acids of human Signal transducer and activator of transcription 5B
Target Name	Signal transducer and activator of transcription 5B
Other Names	STAT5
Accession No.	Swissprot:P51692Gene Accession:BC020868
Uniprot	P51692
GenID	6777;
Storage	-20~-80°C, pH 7.6 PBS

## 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 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.

## References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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