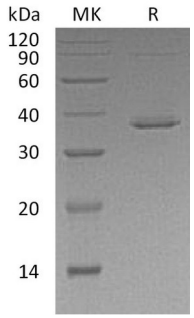
Product Name: Recombinant Human STAT5B (C-6His)
Catalog #: PEH1569

Summary

Name	STAT5B
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Signal Transducer And Activator Of Transcription 5B is produced by our E.coli expression system and the target gene encoding Met1-Thr321 is expressed with a 6His tag at the C-terminus.
Accession #	P51692
Host	E.coli
Species	Human
Predicted Molecular Mass	38.4 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 10% Trehalose, 1mM DTT, 0.05% Tween 80, pH 8.5.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	Signal Transducer and Activator of Transcription 5B; STAT5B
Background	Signal Transducer and Activator of Transcription 5b (STAT5B) is a member of the STAT family of transcription factors. They are responsible for an array of cellular

activities including regulating growth, survival, differentiation, motility, and the immune response. STAT5B 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. Signal transduction and activator of transcription 5 (STAT5) is a member of the Jak/STAT signal transduction pathway and is activated by a variety of cytokines (IL22, IL6). STAT5 has two isoforms (A and B) that share 93% amino acid identity and bind the DNA consensus site TTCN3GAA. STAT5 mediates cytokine signaling by acting as a signal transducer in the cytoplasm and, upon phosphorylation, translocates to the nucleus and activates transcription of specific genes. STAT5 is involved in a wide array of biological processes ranging from regulating apoptosis to adult mammary gland proliferation, differentiation and survival.

Note

For Research Use Only , Not for Diagnostic Use.