

Recombinant Human General Transcription Factor II, His-tagged

Cat. No. GTF2B-5018H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant GTF2B protein was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	Human
Description	GTF2B, also known as transcription factor II B, is one of several general transcription factors that make up the RNA polymerase II preinitiation complex. It localizes to the nucleus where it forms a complex (the DAB complex) with transcription factors IID and IIA. The protein serves as a bridge between IID, the factor which initially recognizes the promoter sequence, and RNA polymerase II. It is involved in the selection of the transcription start site.
Concentration	0.5 mg/ml
Form	Supplied as a liquid in 20mM Tris-HCl buffer, pH 8.0, containing 10% glycerol, 1mM DTT and 0.1 M NaCl.
Purity	> 90% by SDS - PAGE
Sequence	1-316 amino acids: MGSSHHHHHH SSGLVPRGSH MASTSRLDAL PRVTCPNHPD AILVEDYRAG DMICPECGLV VGDRVIDVGS EWRTFSNDKA TKDPSRVGDS QNPLSDGDL STMIGKGTGA ASFDEFGNSK YQNRRTMSSS DRAMMNAFKE

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ITTMADRINL PRNIVDRTNN LFKQVYEQKS LKGRANDAIA SACLYIACRQ
EGVPRTFKEI CAVSRISKKE IGRCF

Molecular Mass 27.7 kDa (248aa), confirmed by MALDI-TOF.

Storage Store at 4 deg C for short term storage (1/2 weeks). Aliquot and store at -20 deg C or -70 deg C for long term storage. Avoid repeated freeze/thaw cycles.

GENE INFORMATION

Gene Name GTF2B general transcription factor IIB [Homo sapiens]

Official Symbol GTF2B

Synonyms GTF2B; TF2B; TFIIB; general transcription factor IIB; RNA polymerase II transcription factor IIB; S300-II

Gene ID 2959

mRNA Refseq NM_001514

Protein Refseq NP_001505

MIM 189963

UniProt ID Q00403

Chromosome Location 1p22-p21

Pathway Basal transcription factors; Gene Expression; HIV Infection; Transcription

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Function

DNA binding; general RNA polymerase II transcription factor activity; metal ion binding; transcription factor binding; transcription regulator activity; translation initiation factor activity; zinc ion binding

PDB rendering based on 1c9b.

