

# Recombinant Human General Transcription Factor II, His-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant GTF2B protein was expressed in E. coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	Human
<b>Description</b>	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.
<b>Concentration</b>	0.5 mg/ml
<b>Form</b>	Supplied as a liquid in 20mM Tris-HCl buffer, pH 8.0, containing 10% glycerol, 1mM DTT and 0.1 M NaCl.
<b>Purity</b>	> 90% by SDS - PAGE
<b>Sequence</b>	1-316 amino acids: MGSSHHHHHH SSGLVPRGSH MASTSRLDAL PRVTCPNHPD AILVEDYRAG DMICPECGLV VGDRVIDVGS EWRTFSNDKA TKDPSRVGDS QNPLSDGDL STMIGKGTGA ASFDEFGNSK YQNRRTMSS DRAMMNAFKE

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ITTMADRINL PRNIVDRRTNN 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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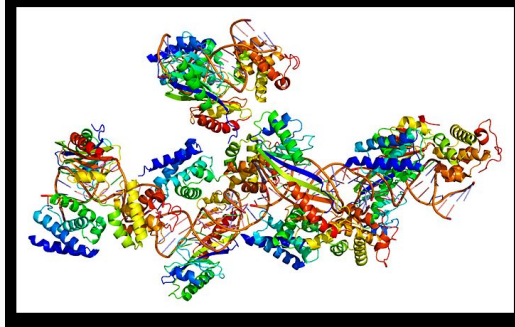
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**Function**

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  
on1c9b.



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