

## Recombinant Human GTF2B, His-tagged

**Cat. No.** GTF2B-30661TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human TFIIB with N terminal His tag; 336 amino acids with tag, MWt 36.9kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	This gene encodes the general transcription factor IIB, one of the ubiquitous factors required for transcription initiation by RNA polymerase II. The protein localizes to the nucleus where it forms a complex (the DAB complex) with transcription factors IID and IIA. Transcription factor IIB serves as a bridge between IID, the factor which initially recognizes the promoter sequence, and RNA polymerase II.
<b>Conjugation</b>	HIS
<b>Molecular Weight</b>	36.900kDa inclusive of tags
<b>Form</b>	Liquid
<b>Purity</b>	>90% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 20% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, pH 8.0
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated

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

freeze / thaw cycles.

**Sequences of amino acids**

MGSSHHHHHH SSGLVPRGSH MASTSRLDAL PRVTCPNHPD AILVEDYRAG  
 DMICPECGLV VGDRVIDVGS EWRTFSNDKA TKDPSRVGDS QNPLSDGDL  
 STMIGKGTGA ASFDEFGNSK YQNRRTMSSS DRAMMNAFKE ITTMADRINL  
 PRNIVDRNTN LFKQVYEQKS LKGRANDAIA SACLYIACRQ EGVPRTFKEI  
 CAVSRISKKE IGRCFKLILK ALETSVDLIT TGDFMSRFCS NLCLPKQVQM  
 AATHIARKAV ELDLVPGRSP ISVAAAAIYM ASQASAEKRT QKEIGDIAGV  
 ADVTIRQSYR LIYPRAPDLF PTDFKFDTPV DKLPQL

**Sequence Similarities**

Belongs to the TFIIIB family. Contains 1 TFIIIB-type zinc finger.

**Full Length**

Full L.

## GENE INFORMATION

**Gene Name**

GTF2B general transcription factor IIB [ Homo sapiens ]

**Official Symbol**

GTF2B

**Synonyms**

GTF2B; general transcription factor IIB; transcription initiation factor IIB; TFIIIB;

**Gene ID**

2959

**mRNA Refseq**

NM\_001514

**Protein Refseq**

NP\_001505

**MIM**

189963

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<b>Uniprot ID</b>	Q00403
<b>Chromosome Location</b>	1p22-p21
<b>Pathway</b>	Basal transcription factors, organism-specific biosystem; Basal transcription factors, conserved biosystem; Eukaryotic Transcription Initiation, organism-specific biosystem; Formation and Maturation of mRNA Transcript, organism-specific biosystem; Gene Expression, organism-specific biosystem;
<b>Function</b>	DNA binding; metal ion binding; protein binding; thyroid hormone receptor binding; transcription factor binding;

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