

## Recombinant Human GTF2B

**Cat. No.** GTF2B-30662TH    **Lot. No.** (See product label)

### SPECIFICATION

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>      | Recombinant full length human TFIIB with proprietary tag, Estimated MWt 61kDa.                                                                                                                                                                                                                                                                                                                                         |
| <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>Form</b>                  | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>                | >95% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage buffer</b>        | Preservative: None<br>Constituents: 20% Glycerol, 20mM Tris HCl, 100mM Potassium chloride, 1mM DTT, 0.2mM EDTA, pH 8.0                                                                                                                                                                                                                                                                                                 |
| <b>Storage</b>               | Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.                                                                                                                                                                                                                                                                                                                              |
| <b>Sequence Similarities</b> | Belongs to the TFIIB family. Contains 1 TFIIB-type zinc finger.                                                                                                                                                                                                                                                                                                                                                        |

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**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; TFIIB;

**Gene ID**

2959

**mRNA Refseq**

NM\_001514

**Protein Refseq**

NP\_001505

**MIM**

189963

**Uniprot ID**

Q00403

**Chromosome  
Location**

1p22-p21

**Pathway**

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;

**Function**

DNA binding; metal ion binding; protein binding; thyroid hormone receptor binding; transcription factor binding;

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