

# Product information



## GTF2B, 1-316 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0449

**Full name:** General transcription factor IIB

**NCBI Accession No.:** NP\_001505

**Synonyms:** TF2B, TFIIB

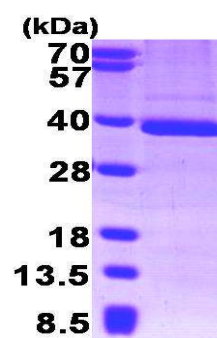
**Description:** GTF2B, also known as transcription factor II B, is one of several general transcription factors that make up the RNA polymerase II preinitiation complex. It localizes to the nucleus where it forms a complex (the DAB complex) with transcription factors IID and IIA. The protein serves 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. Recombinant GTF2B protein was expressed in *E.coli* and purified by using conventional chromatography techniques.

**Form:** Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol  
0.1M NaCl

**Molecular Weight:** 36.9 kDa (336aa)

**Purity:** > 90% by SDS - PAGE

**Concentration:** 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

### Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MASTSRDLAL PRVTCNHPD AILVEDYRAG DMICPECGLV VGDRVIDVGS EWRTFSNOKA TKDPSRVGDS  
QNPLSDGDL STMIGKGTGA ASFDEFGNSK YQNRRTMSSS DRAMNAFKE ITTMADRINL PRNIVDRTNN LFKQVYEQKS LKGRANDAIA  
SACLYIACRQ EGVPRTFKEI CAVSRISKKE IGRCFKLILK ALETVDLIT TGDMSRFCS NLCLPKQVQM AATHIARKAV ELDLVGRSP  
ISVAAAAIYM ASQASAEKRT QKEIGDIAGV ADVTIRQSYR LIYPRAPDLF PTDFKFOTPV DKLPQL

### General references:

Ing N.H., *et al.* (1992) *J. Biol. Chem.* 267:17617-17623.

**WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.**

# Product information

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Bushnell, David A, *et al.* (2004) *Science*. 303(5660):983-8.

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.  
Avoid repeated freezing and thawing cycles.

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