

Recombinant human GTF2B protein

Catalog Number: ATGP0449

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-316aa

UniProt No.

Q00403

NCBI Accession No.

NP_001505

Alternative Names

General transcription factor IIB, TF2B, TFIIB, General transcription factor IIB General transcription factor TFIIB, GTF2B, RNA polymerase II transcription factor IIB, S300 II, TF IIB, Transcription initiation factor IIB.

PRODUCT SPECIFICATION

Molecular Weight

36.9 kDa (336aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM MES buffer (pH 6.0) containing 30% glycerol, 0.1M NaCl, 1mM DTT

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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chromatography techniques.

Amino acid Sequence

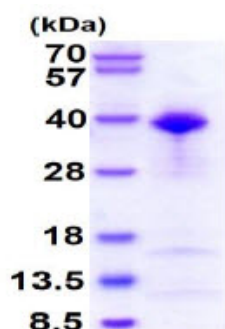
MGSSHHHHHH SSGLVPRGSH MASTSRDLAL PRVTCPNHPD AILVEDYRAG DMICPECGLV VGDRVIDVGS EWRTFSNDKA
TKDPSRVGDS QNPLLSDGDL STMIGKGTGA ASFDEFGNSK YQNRRTMSSS DRAMMNAFKE ITTMADRINL PRNIVDRTNN
LFKQVYEQKS LKGRANDAIA SACLYIACRQ EGVPRTFKEI CAVSRISKKE IGRCFKLILK ALETSDVLIT TGDFMSRFCS
NLCLPKQVQM AATHIARKAV ELDLVPGRSP ISVAAAAIYM ASQASAEKRT QKEIGDIAGV ADVTIRQSYR LIYPRAPDLF
PTDFKFDTVP DKLPQL

General References

Ing N.H., et al. (1992) J. Biol. Chem. 267:17617-17623.
Bushnell, David A, et al. (2004) Science. 303(5660):983-8.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.