Recombinant Human General Transcription Factor IIB, His tagged

Cat. No. GTF2B-1831H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant GTF2B protein was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
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.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MASTSRLDAL PRVTCPNHPD AILVEDYRAG DMICPECGLV VGDRVIDVGS EWRTFSNDKA TKDPSRVGDS QNPLLSDGDL STMIGKGTGA ASFDEFGNSK YQNRRTMSSS DRAMMNAFKE ITTMADRINL PRNIVDRTNN LFKQVYEQKS LKGRANDAIA SACLYIACRQ EGVPRTFKEI CAVSRISKKE IGRCFKLILK ALETSVDLIT TGDFMSRFCS NLCLPKQVQM AATHIARKAV ELDLVPGRSP ISVAAAAIYM ASQASAEKRT QKEIGDIAGV ADVTIRQSYR LIYPRAPDLF PTDFKFDTPV DKLPQL
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl

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Molecular Weight	36.9 kDa (336aa)
Purity	> 90% by SDS - PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)
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.
Pathways	Basal transcription factors; Gene Expression; HIV Infection; Transcription.

GENE INFORMATION

Gene Name	GTF2B general transcription factor IIB [Homo sapiens]
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

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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 on 1c9b.Available structures 1c9b, 1dl6, 1rly, 1ro4, 1tfb, 1vol, 2phg	

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