
Product Data Sheet

Product Name: GTF2B Human
 Cat. No.: GP23602
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	TF2B; TFIIB; GTF2B; Transcription initiation factor IIB; General transcription factor TFIIB; S300-II.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MASTSRLDAL PRVTCPNHPD AILVEDYRAG DMICPECGLV VGDRVIDVGS EWRTFSNDKA TKDPSRVGDS QNPLSDGDL STMIGKGTGA ASFDEFGNSK YQNRRTMSSS DRAMMNAFKE ITTMADRINL PRNIVDRTNN LFKQVYEQKS LKGRANDAIA SACLYIACRQ EGVPRTFKEI CAVSRISKKE IGRCFKLILK ALETSVDLIT TGDFMSRFCS NLCLPKQVQM AATHIARKAV ELDLVPGRSP ISVAAAAIYM ASQASAEKRT QKEIGDIAGV ADVTIRQSYR LIYPRAPDLF PTDFKFDTPV DKLPQL.		
Formulation	The GTF2B solution contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl and 20% glycerol.		

Introduction

GTF2B is one of the ubiquitous factors needed for transcription initiation by RNA polymerase II preinitiation factor. GTF2B localizes to the nucleus where it forms a complex (the DAB complex) with transcription factors IID and IIA. GTF2 plays a role as a bridge between IID, which initially recognizes the promoter sequence, and RNA polymerase II. GTF2B is involved in the selection of the transcription start site.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

GTF2B Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide

Caution: Product has not been fully validated for medical applications. For research use only.

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chain containing 336 amino acids (1-316 a.a.) and having a molecular mass of 36.9 kDa. The GTF2B is fused to a 20 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.

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