
Product Data Sheet

Product Name: GTF2F2 Human
 Cat. No.: GP23604
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	General transcription factor IIF subunit 2; ATP-dependent helicase GTF2F2; General transcription factor IIF 30 kDa subunit; Transcription initiation factor IIF subunit beta; TFIIF-beta; Transcription initiation factor RAP30; GTF2F2; RAP30; BTF4; TF2F2; TFIIF.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MAERGELDLT GAKQNTGVWL VKVPKYLSQQ WAKASGRGEV GKLRIAKTQG RTEVSFTLNE DLANIHDIGG KPASVSAPRE HPFVLQSVGG QTLTVFTESS SDKLSLEGIV VQRAECPAA SENYMRLKRL QIEESSKPVR LSQQLDKVVT TNYKPVANHQYNIYERKKK EDGKRARADK QHVLDMLFSA FEKHQYYNLK DLVDITKQPV VYLKEILKEI GVQNVKGIHK NTWELKPEYR HYQGEEKSD.		
Formulation	GTF2F2 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 20% glycerol, 0.2M NaCl and 1mM DTT.		

Introduction

General Transcription Factor IIF Polypeptide 2 (GTF2F2) is a general transcription initiation factor which binds to RNA polymerase II and helps engage it in the initiation complex in collaboration with TFIIB. GTF2F2 promotes transcription elongation. GTF2F2 shows ATP-dependent DNA-helicase activity.

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

GTF2F2 Human Recombinant produced in E.Coli is a single, non-glycosylated

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

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polypeptide chain containing 269 amino acids (1-249 a.a) and having a molecular mass of 30.5kDa (Molecular weight on SDS-PAGE will appear higher).GTF2F2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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