

**GTF2F2, 1-249aa, Human, His tag, E.coli**

**Cat.NO.: TP02370**

3th Edition

**Synonyms:**General transcription factor IIF subunit 2, BTF4; RAP30; TF2F2; TFIIF.

**Description:**GTF2F2, also known as TFIIF, is a general transcription initiation factor that binds to RNA polymerase II and helps to recruit it to the initiation complex in collaboration with TFIIB. It promotes transcription elongation. This subunit shows ATP-dependent DNA-helicase activity. Recombinant human GTF2F2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol 0.2M NaCl, 1mM DTT

**Molecular Weight:**30.5 kDa(269aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMAERGELDTGAKQNTGVWLVKVPKYLSQQWAKASGRGEVGKLRIAKTQGRTE  
VSFTLNEDLANIHDIGGKPASVSAPREHPFVLQSVGGQTLTVFTSSSDKLSLEGIVVQRAECRPAASENYMRLKRL  
QIEESSKPVRLSQQLDKVVTNTYKPVANHQYNIEYERKKKEDGKRARADKQHVLDMLFSAFEKHQYYNLKDLVDIT  
KQPVVYLKEILKEIGVQNVKGIHKNTWELKPEYRHYQGEEKSD

**Purity:**> 95% by HPLC

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

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.