

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:

MGSSHHHHHSSGLVPRGSHMAERGELDTGAKQNTGVWLKVPKYLSQQWAKASGRGEVVKLRIAKTQGRTE
VSFTLNEDLANIHDIHGKPKASVSAPREHPFVLQSVGGQTLTVFTSSDKLSLEGIVVQRAECRPAASENYMRLKRL
QIEESSKPVRLSQQLDKVVTNYKPVANHQYNIERYERKKKEDGKRARADKQHVLDMLFSAFEKHQYYNLKDLVDIT
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.