

GTF2E2, 1-291aa, Human, His tag, E.coli

Cat.NO.: TP02369

3th Edition

Synonyms:Transcription initiation factor IIE subunit beta, FE, TF2E2, TFIIE-B.

Description:GTF2E2, also known as TFIIE, is essential for transcription initiation by RNA polymerase II in conjunction with other general factors. TFIIE is a heterotetramer containing two subunits of relative molecular mass 57,000 (TFIIE-alpha) and two of 34,000 (TFIIE-beta). TFIIE-beta is required in conjunction with TFIIE-alpha for transcription initiation. GTF2E2 recruits TFIIH to the initiation complex and stimulates the RNA polymerase II Cterminal domain kinase and DNA-dependent ATPase activities of TFIIH.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol, 0.1M NaCl, 1mM DTT

Molecular Weight:35.6 kDa (315aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMDPSLLRERELFKKRALSTPVVEKRSASSESSSSSSSKKKTKVEHGGSSG
SKQNSDHSNGSFNLKALSGSSGYKFGVLAKIVNYMKTRHQRGDTHPLTLDEILDETQHLDIGLKQKQWLMTEALVN
NPKIEVIDGKYAFKPKYNVRDCKALLRLLDQHDQRLGGILLEDIEEALPNSQKAVKALGDQILFVNRPDKKKILFFND
KSCQFSVDEEFQKLWRSVTVDSMDEEKIEEYLKRQGISSMQESGPKKVAPIQRRKKPASQKKRRFKTHNEHLAGV
LKDYSDITSSK

Purity:> 95% by HPLC

Concentration:1 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.