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32-3926: GTF2E2 Recombinant Protein

Alternative Name : General transcription factor IIE polypeptide 2 beta 34kDa,transcription initiation factor IIE subunit beta,TFIIE-beta,TF2E2,TFIIE-B.

Description

Source : E.coli. GTF2E2 Human Recombinant produced in E. coli is a single polypeptide chain containing 315 amino acids (1-291) and having a molecular mass of 35.6kDa.GTF2E2 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. GTF2E2 is vital for transcription initiation by RNA polymerase II in conjunction with other general factors. General Transcription Factor IIE is a heterotetramer composed of two subunits of relatively high molecular mass 57,000 (GTF2E1) and two of 34,000 (GTF2E2). GTF2E2 is necessary in conjunction with GTF2E1 for transcription initiation. GTF2E2 recruits TFIIH to the initiation complex and stimulates the RNA polymerase II C-terminal domain kinase and DNA-dependent ATPase activities of TFIIH. Both TFIIE and TFIIH are essential for promoter clearance by RNA polymerase.

Product Info

Amount :	10 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The GTF2E2 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 30% glycerol.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSHMDPSLL RERELFKKRA LSTPVVEKRS ASSESSSSSS KKKKTKVEHG GSSGSKQNSD HSNGSFNLKA LSGSSGYKFG VLAKIVNYMK TRHQRGDTHP LTLDEILDET QHLDIGLKQK QWLMTEALVN NPKIEVIDGK YAFKPKYNVR DKKALLRLLD QHDQRGLGGI LLEDIEEALP NSQKAVKALG DQILFVNRPD KKKILFFNDK SCQFSVDEEF QKLWRSVTVD SMDEEKIEEY LKRQGISSMQ ESGPKKVAPI QRRKKPASQK KRRFKTHNEH LAGVLKDYSD ITSSK

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