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GTF2E2 Human

General Transcription Factor IIE, Polypeptide 2 Human Recombinant
RCP0977

Product Overview

Name	GTF2E2 Human

Description

General Transcription Factor IIE, Polypeptide 2 Human Recombinant

Accession (Primary)	P29084

Synonyms

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

Introduction

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.

Source

E.coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The GTF2E2 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 30% glycerol.

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.

Purity

Greater than 90% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGSH MDPSLL 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

Precautions

GTF2E2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P29084)