

Active Recombinant Human GTF2E2

Cat. No. GTF2E2-1182H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	E.coli
Description	The human Transcription Factor IIE (TFIIE) is composed of 56 kDa (α) and 34 kDa (β) subunits and is shown to be a heterotetramer. TFIIE binds to RNA Polymerase II in solution and joins the preinitiation complex probably concomitant with RNA Polymerase II and TFIIF. The recombinant protein is purified from an <i>E. coli</i> strain that contains the coding sequence of human TFIIE β-subunit under the control of T7 promoter. Both subunits are required to reconstitute the functional transcription factor IIE. Protein is purified greater than 95% homogeneous and contains no detectable protease, DNase, and RNase activity.
Usage	For in vitro use only.
Form	Liquid. Supplied in 20 mM Tris-HCl pH 8.0, 100 mM KCl, 0.2 mM EDTA, 1 mM DTT and 20% glycerol.
Activity	20 ng are sufficient for an in vitro reconstituted transcription assay in the presence of 56 kDa subunit, 100 ng are sufficient for a protein-protein interaction assay.
Purity	> 95% by SDS-PAGE.

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Storage Quality guaranteed for 12 months, store at -80°C. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name [GTF2E2 general transcription factor IIE, polypeptide 2, beta 34kDa \[Homo sapiens \]](#)

Synonyms GTF2E2; general transcription factor IIE, polypeptide 2, beta 34kDa; FE; TF2E2; TFIIE-B; Transcription initiation factor IIE subunit beta; TFIIE-beta; General transcription factor IIE subunit 2; general transcription factor IIE, polypeptide 2 (beta subunit, 34kD)

Gene ID [2961](#)

mRNA Refseq [NM_002095](#)

Protein Refseq [NP_002086](#)

MIM [189964](#)

UniProt ID [P29084](#)

Chromosome Location 8p12

Pathway Basal transcription factors; Gene Expression; HIV Infection; Transcription

Function DNA binding; RNA polymerase II transcription factor activity; protein binding

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