

Active Recombinant Human GTF2E2

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

SPECIFICATION

Species	Human
Source	E.coli
Description	<p>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.</p>
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.
Storage	Quality guaranteed for 12 months, store at -80°C. Avoid freeze / thaw cycles.

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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; TFIIIE-B; Transcription initiation factor IIE subunit beta; TFIIIE-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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