

Active Recombinant Human GTF2E2, His-tagged

Cat. No. GTF2E2-8456H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GTF2E2, fused with His tag, was expressed in E. coli.
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. The 56-kDa subunit contains a region similar to a zinc-binding domain and a region sharing homology with the catalytic loop of a kinase domain. TFIIE binds to RNA polymerase II in solution and joins the pre-initiation complex probably concomitant with RNA polymerase II and TFIIF.
Form	20 mM Tris-Cl, pH 7.9, 20% Glycerol, 100 mM KCl, 1 mM DTT and 0.2 mM EDTA
Bio-activity	1 unit equals 1 ng of purified protein. 20 units are sufficient for an in vitro reconstituted transcription assay in the presence of 56-kDa subunit; 100 units are sufficient for a protein-protein interaction assay.
AA Sequence	MDPSLLRERE LFKKRALSTP VVEKRSASSE SSSSSSKKKK TKVEHGGSSG SKQNSDHSNG SFNLKALSGS SGYKFGVLAK IVNYMKTRHQ RGDTHPLTLD EILDETQHLD IGLKQKQWLM TEALVNNPKI EVIDGKYAFK PKYNVRDKKA LLRLLDQHDQ RGLGGILLED IEEALPNSQK AVKALGDQIL FVNRPDKKKI LFFNDKSCQF SVDEEFQKLW RSVTVDSMDE EKIEEYLKRQ GISSMQESGP KKVAPIQRRK KPASQKKRRF KTHNEHLAGV LKDYSITSS K

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>95% as determined by SDS-PAGE
Storage	-80 °C
Concentration	250 µg/ml
Shipping	Dry Ice

GENE INFORMATION

Gene Name	GTF2E2 general transcription factor IIE, polypeptide 2, beta 34kDa [Homo sapiens]
Official Symbol	GTF2E2
Synonyms	GTF2E2; general transcription factor IIE, polypeptide 2, beta 34kDa; general transcription factor IIE, polypeptide 2 (beta subunit, 34kD); transcription initiation factor IIE subunit beta; FE; TF2E2; TFIIE B; TFIIE-beta; general transcription factor IIE subunit 2; TFIIE-B;
Gene ID	2961
mRNA Refseq	NM_002095
Protein Refseq	NP_002086
MIM	189964
UniProt ID	P29084
Chromosome Location	8p12

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Pathway

Basal transcription factors, organism-specific biosystem; Basal transcription factors, conserved biosystem; Disease, organism-specific biosystem; Eukaryotic Transcription Initiation, organism-specific biosystem; Gene Expression, organism-specific biosystem; HIV Infection, organism-specific biosystem; HIV Life Cycle, organism-specific biosystem;

Function

DNA binding; protein binding;

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