

Active Recombinant Human GTF2E1/GTF2E2, His-tagged

Cat. No. GTF2E1-8477H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GTF2E1/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; 100 units are sufficient for a protein-protein interaction assay.
Purity	>95% as determined by SDS-PAGE
Storage	-80 °C
Concentration	500 µg/ml
Shipping	Dry Ice

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GENE INFORMATION

Gene Name	GTF2E1 general transcription factor IIE, polypeptide 1, alpha 56kDa [Homo sapiens]
Official Symbol	GTF2E1
Synonyms	general transcription factor IIE, polypeptide 1, alpha 56kDa; GTF2E1; FE; TF2E1; TFIIIE-A; general transcription factor IIE subunit 1; TFIIIE-alpha; general transcription factor IIE 56 kDa subunit; transcription initiation factor IIE subunit alpha
Gene ID	2960
mRNA Refseq	NM_005513
Protein Refseq	NP_005504
MIM	189962
UniProt ID	P29083
Chromosome Location	3q21-q24
Pathway	Basal transcription factors, organism-specific biosystem; Epstein-Barr virus infection, organism-specific biosystem; Gene Expression, organism-specific biosystem
Function	metal ion binding; protein binding; sequence-specific DNA binding; zinc ion binding; sequence-specific DNA binding; zinc ion binding

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