

Active Recombinant Human GTF2A1/GTF2A2, His-tagged

Cat. No. GTF2A1-8476H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GTF2A1/GTF2A2, fused with His tag, was expressed in E. coli.
Species	Human
Source	E.coli
Description	The transcription factor IIA (TFIIA) has been shown to bind to the TBP-DNA complex and to increase the affinity of TBP for the TATA element. Human TFIIA consists of three subunits of 35 kDa (alpha subunit), 19 kDa (beta subunit) and 12 kDa (gamma subunit). The alpha and beta subunits are derived from the product, p55, of a single gene by an unknown mechanism. However, recombinant p55, in combination with a 12 kDa subunit (gamma subunit), retains native TFIIA activity .
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. 1 unit is sufficient for a gel mobility shift assay in a 20µl reaction; 20 units are sufficient for an in vitro transcription assay and 100 units are sufficient for protein-protein interaction assays.
Purity	>95% as determined by SDS-PAGE
Storage	-80 °C
Concentration	150 µg/ml

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Shipping Dry Ice

GENE INFORMATION

Gene Name GTF2A1 general transcription factor IIA, 1, 19/37kDa [Homo sapiens]

Official Symbol GTF2A1

Synonyms GTF2A1; general transcription factor IIA, 1, 19/37kDa; TF2A1; TFIIA; TFIIAL; TFIIA-42; transcription initiation factor IIA subunit 1; TFIIA alpha, p55, isoform 1; general transcription factor IIA subunit 1; transcription initiation factor TFIIA 42 kDa subunit; glucose regulated protein, 58kD pseudogene

Gene ID [2957](#)

mRNA Refseq [NM_015859](#)

Protein Refseq [NP_056943](#)

MIM [600520](#)

UniProt ID [P52655](#)

Chromosome Location 14q31.1

Pathway Basal transcription factors, organism-specific biosystem; Disease; Viral carcinogenesis

Function DNA binding; protein binding; TBP-class protein binding

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