

Recombinant Human General Transcription Factor IIA, 2, 12kDa, T7-tagged

Cat. No. GTF2A2-3000H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GTF2A2 protein was expressed in E.coli with T7-tag at the N-terminus. The molecular weight is 12457 Da (109 aa).
Species	Human
Source	E.coli
Description	General transcription factor IIA, 2, 12kDa is a nuclear protein involved in the RNA polymerase II-dependent transcription of DNA. GTF2A2 is one of several general (basal) transcription factors (GTFs) that are required for all transcription events that use RNA polymerase II. Other GTFs include TFIID, a complex composed of the TATA binding protein TBP and TBP-associated factors (TAFs), as well as the factors TFIIB, TFIIE, TFIIIF, and TFIIH. Together, these factors are responsible for promoter recognition and the formation of a transcription preinitiation complex (PIC) capable of initiating RNA synthesis from a DNA template.
Sequences of amino acids	1-109 aa
Formulation	10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN ₃ .
Purity	95%

GENE INFORMATION

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Gene Name	GTF2A2 general transcription factor IIA, 2, 12kDa [Homo sapiens]
Synonyms	TF2A2; TFIIA; HsT18745; GTF2A2; transcription initiation factor IIA subunit 2; TFIIAS; TFIIA-12; TFIIA-gamma; TFIIA p12 subunit; OTTHUMP00000196512; general transcription factor IIA subunit 2; transcription initiation factor IIA gamma chain
Gene ID	2958
mRNA Refseq	NM_004492
Protein Refseq	NP_004483
MIM	600519
UniProt ID	P52657
Chromosome Location	15q22.2
Pathway	Basal transcription factors; Gene Expression; HIV Infection; Transcription
Function	RNA polymerase II transcription factor activity; TATA-binding protein binding; general RNA polymerase II transcription factor activity; contributes_to general RNA polymerase II transcription factor activity; identical protein binding; protein binding; protein heterodimerization activity; protein homodimerization activity; transcription coactivator activity; transcription factor binding

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