

Recombinant Human GTF2A2

Cat. No. GTF2A2-27775TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human GTF2A2 with proprietary tag, Estimated MWt 38kDa.
Species	Human
Source	E.coli
Description	Accurate transcription initiation on TATA-containing class II genes involves the ordered assembly of RNA polymerase II (POLR2A; MIM 180660) and the general initiation factors TFIIA, TFIIB (MIM 189963), TFIID (MIM 313650), TFIIE (MIM 189962), TFIIIF (MIM 189968), TFIIG/TFIIJ, and TFIIH (MIM 189972). The first step involves recognition of the TATA element by the TATA-binding subunit (TBP; MIM 600075) and may be regulated by TFIIA, a factor that interacts with both TBP and a TBP-associated factor (TAF; MIM 600475) in TFIID. TFIIA has 2 subunits (43 and 12 kD) in yeast and 3 subunits in higher eukaryotes. In HeLa extracts, it consists of a 35-kD alpha subunit and a 19-kD beta subunit encoded by the N- and C-terminal regions of GTF2A1 (MIM 600520), respectively, and a 12-kD gamma subunit encoded by GTF2A2 (DeJong et al.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20% Glycerol, 20mM Tris HCl, 100mM Potassium chloride, 1mM DTT, 0.2mM EDTA, pH 8.0

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Full Length	Full L.
GENE INFORMATION	
Gene Name	GTF2A2 general transcription factor IIA, 2, 12kDa [Homo sapiens]
Official Symbol	GTF2A2
Synonyms	GTF2A2; general transcription factor IIA, 2, 12kDa; general transcription factor IIA, 2 (12kD subunit); transcription initiation factor IIA subunit 2; HsT18745; TFIIA;
Gene ID	2958
mRNA Refseq	NM_004492
Protein Refseq	NP_004483
MIM	600519
Uniprot ID	P52657
Chromosome Location	15q21.3
Pathway	Basal transcription factors, organism-specific biosystem; Basal transcription factors, conserved biosystem; Eukaryotic Transcription Initiation, organism-specific biosystem; Formation and Maturation of mRNA Transcript, organism-specific biosystem; Gene Expression, organism-specific biosystem;

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Function

TBP-class protein binding; protein binding; protein heterodimerization activity; protein homodimerization activity; transcription coactivator activity;

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