

Recombinant Human GTF2A2 Protein, His-tagged

Cat. No. GTF2A2-419H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GTF2A2 fused with His tag at N-terminal was expressed in E. coli.
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., 1995 [PubMed 7724559]).
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1% Sarkosyl.
Molecular Mass	12.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration >50 ug/mL as determined by microplate BCA method

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; TFIAS; TFIIA-12; TFIIA-gamma; TFIIA p12 subunit; general transcription factor IIA subunit 2; transcription initiation factor IIA gamma chain; TF2A2;

Gene ID 2958

mRNA Refseq NM_004492

Protein Refseq NP_004483

MIM 600519

UniProt ID P52657

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