

# Recombinant Full Length Human GTF2A2 Protein, GST-tagged

**Cat. No.** GTF2A2-3374HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human GTF2A2 full-length ORF ( AAH00287, 1 a.a. - 109 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	109 amino acids
<b>Description</b>	<p>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), TFIIF (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]).[supplied by OMIM</p>
<b>Molecular Mass</b>	37.73 kDa
<b>AA Sequence</b>	MAYQLYRNTTLGNSLQESLDELIIQSQQITPQLALQVLLQFDKAINAALAQRVRNRVNF RGS LN TYRFCDNVWTFV LNDVEFREVTELIKVDKVKIVACD GKNTGSNTTE

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<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	GTF2A2 general transcription factor IIA, 2, 12kDa [ Homo sapiens ]
<b>Official Symbol</b>	GTF2A2
<b>Synonyms</b>	GTF2A2; general transcription factor IIA, 2, 12kDa; general transcription factor IIA, 2 (12kD subunit); transcription initiation factor IIA subunit 2; HsT18745; TFIIA; TFIIAS; TFIIA-12; TFIIA-gamma; TFIIA p12 subunit; general transcription factor IIA subunit 2; transcription initiation factor IIA gamma chain; TF2A2;
<b>Gene ID</b>	2958
<b>mRNA Refseq</b>	NM_004492
<b>Protein Refseq</b>	NP_004483
<b>MIM</b>	600519
<b>UniProt ID</b>	P52657

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