

Recombinant Human GTF2A2 Protein, GST-tagged

Cat. No. GTF2A2-4439H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GTF2A2 full-length ORF (AAH00287, 1 a.a. - 109 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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), 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
Molecular Mass	37.73 kDa
AA Sequence	MAYQLYRNTTLGNSLQESLDELIQSQQITPQLALQVLLQFDKAINAALAQRVNRVNF RGSLNTRYRFCDNVWTFVFLNDVEFREVTELIKVDKVKIVACDGGKNTGSNTTE
Applications	Enzyme-linked Immunoabsorbent Assay

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Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; TFIIAS; 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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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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