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## Product Data Sheet

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Product Name: GTF2A1 Human  
 Cat. No.: GP23601  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	General transcription factor IIA; 1; 19/37kDa; TF2A1; TFIIA; TFIIA-42; TFIIAL; Transcription initiation factor IIA subunit 1; Transcription initiation factor TFIIA 42 kDa subunit; GTF2A1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMANSANT NTVPKLYRSV IEDVINDVRD IFLDDGVDEQ VLMEKTLWE NKLMQSRAVD GFHSEEQQLL LQVQQQHQPQ QQQHSHHHHHH QQAQPQQTVP QQAQTQQVLI PASQQATAPQ VIVPDSKLIQ HMNASNMSAA ATAATLALPA GVTPVQQILT NSGQLLQVVR AANGAQYIFQ PQQSVVLQQQ VIPQMPPGGV QAPVIQQVLA PLPGGISPQT GVIIQPQQIL FTGNKTQVIP TTVAAPTPAQ AQITATGQQQ PQAQPAQTQA PLVLQVD.		
Formulation	The GTF2A1 solution (0.5mg/ml) contains 20mM Tris-HCl(pH8.0), 20% glycerol, 0.15M NaCl and 1mM DTT.		

### Introduction

General Transcription Factor IIA, 1 (GTF2A1) in a complex along with TBP mediates transcriptional activity. GTF2A1 is a part of the transcription machinery of RNA polymerase II and is also participates in transcriptional activation.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

GTF2A1 Human Recombinant produced in E. coli is a single polypeptide chain containing 297 amino acids (1-274) and having a molecular mass of 32.2kDa. GTF2A1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary

**Caution: Product has not been fully validated for medical applications. For research use only.**

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chromatographic techniques.

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