

Recombinant Human GTF2A2

Catalog No: #GP13216



Package Size: #GP13216-1 100ug

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Description

Product Name	Recombinant Human GTF2A2
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 1-109 amino acids of human GTF2A2
Target Name	general transcription factor IIA subunit 2
Other Names	TF2A2; TFIIA; T18745; TFIIAS; HsT18745; TFIIA-12; TFIIA-gamma
Accession No.	Swissprot:P52657Gene Accession:BC000287
Uniprot	P52657
GeneID	2958;
Storage	-20~-80°C, pH 7.6 PBS

Background

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, TFIIIB (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]).

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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