

Recombinant Human GTF2A1 protein, His & GST-tagged

Cat. No. GTF2A1-7865H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GTF2A1 aa. (Ala2~Asp274 (Accession # P52655)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ala2~Asp274
Description	Accurate transcription initiation on TATA-containing class II genes involves the ordered assembly of RNA polymerase II (POLR2A; MIM 180660) and several general initiation factors (summarized by DeJong and Roeder, 1993 [PubMed 8224848]). One of these factors is TFIIA, which when purified from HeLa extracts consists of 35-, 19-, and 12-kD subunits.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 59.6kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.9.

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	GTF2A1 general transcription factor IIA subunit 1 [Homo sapiens (human)]
Official Symbol	GTF2A1
Synonyms	GTF2A1; general transcription factor IIA subunit 1; TF2A1; TFIIA; TFIIAL; TFIIA-42; transcription initiation factor IIA subunit 1; TFIIA alpha, p55, isoform 1; TFIIA alpha/beta subunits; general transcription factor IIA 1; general transcription factor IIA, 1, 19/37kDa; glucose regulated protein, 58kD pseudogene; transcription initiation factor TFIIA 42 kDa subunit
Gene ID	2957
mRNA Refseq	NM_001278940.1

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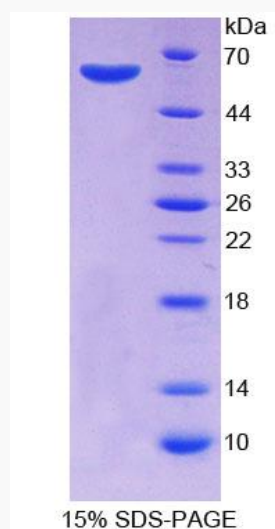
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Protein Refseq NP_001265869.1

UniProt ID P52655

SDS-PAGE



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