

Recombinant Human GTF2A2 293 Cell Lysate

Cat. No. GTF2A2-5704HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for general transcription factor IIA, 2, 12kDa (GTF2A2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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; TFIAS; 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

Chromosome Location

15q21.3

Pathway

Basal transcription factors, organism-specific biosystem; Basal transcription factors, conserved biosystem; Disease, organism-specific biosystem; Eukaryotic Transcription Initiation, organism-specific biosystem; Gene Expression, organism-specific

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biosystem; HIV Infection, organism-specific biosystem; HIV Life Cycle, organism-specific biosystem;

Function

TBP-class protein binding; protein binding; protein heterodimerization activity; protein homodimerization activity; transcription coactivator activity; transcription factor binding;

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