

Recombinant Human GTF2A2 293 Cell Lysate

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

SPECIFICATION

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.
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

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

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Function

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

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