

Recombinant Human HNF1A 293 Cell Lysate

Cat. No. HNF1A-5461HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for HNF1 homeobox A (HNF1A) 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 mixture at room temperature for 30 min). Load 5 ug lysate per lane.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name [HNF1A HNF1 homeobox A \[Homo sapiens \]](#)

Official Symbol [HNF1A](#)

Synonyms [HNF1A](#); [HNF1 homeobox A](#); [MODY3](#), [TCF1](#), transcription factor 1, hepatic; [LF B1](#), hepatic nuclear factor (HNF1), albumin proximal factor; [hepatocyte nuclear factor 1-alpha](#); [HNF1](#); [LFB1](#); [HNF-1-alpha](#); [albumin proximal factor](#); [hepatic nuclear factor 1](#); [transcription factor 1, hepatic](#); [interferon production regulator factor](#); [liver-specific transcription factor LF-B1](#); [TCF1](#); [MODY3](#); [TCF-1](#); [HNF-1A](#); [IDDM20](#);

Gene ID [6927](#)

mRNA Refseq [NM_000545](#)

Protein Refseq [NP_000536](#)

MIM [142410](#)

UniProt ID [P20823](#)

Chromosome Location [12q24.31](#)

Pathway [Adipogenesis, organism-specific biosystem](#); [Developmental Biology, organism-specific biosystem](#); [FOXA2 and FOXA3 transcription factor networks, organism-specific biosystem](#); [IL-6 Signaling Pathway, organism-specific biosystem](#); [Maturity onset diabetes of the young, organism-specific biosystem](#); [Maturity onset diabetes of the young, conserved biosystem](#); [Presenilin action in Notch and Wnt signaling, organism-specific biosystem](#);

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Function

DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; double-stranded DNA binding; protein binding; protein dimerization activity; protein heterodimerization activity; protein heterodimerization activity; protein homodimerization activity; protein homodimerization activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription regulatory region DNA binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA