

Recombinant Human HNF1B 293 Cell Lysate

Cat. No. HNF1B-5460HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for HNF1 homeobox B (HNF1B), transcript variant 1 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 [HNF1B HNF1 homeobox B \[Homo sapiens \]](#)

Official Symbol HNF1B

Synonyms HNF1B; HNF1 homeobox B; TCF2, transcription factor 2, hepatic; LF B3; variant hepatic nuclear factor; hepatocyte nuclear factor 1-beta; HNF1beta; LFB3; MODY5; VHNF1; TCF-2; HNF-1B; HNF-1-beta; HNF1 beta A; homeoprotein LFB3; transcription factor 2, hepatic; FJHN; HNF2; TCF2; HPC11; LF-B3;

Gene ID [6928](#)

mRNA Refseq [NM_000458](#)

Protein Refseq [NP_000449](#)

MIM [189907](#)

UniProt ID [P35680](#)

Chromosome Location 17q12

Pathway Developmental Biology, organism-specific biosystem; Maturity onset diabetes of the young, organism-specific biosystem; Maturity onset diabetes of the young, conserved biosystem; Regulation of beta-cell development, organism-specific biosystem; Regulation of gene expression in early pancreatic precursor cells, organism-specific biosystem; Regulation of gene expression in late stage (branching morphogenesis)

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pancreatic bud precursor cells, organism-specific biosystem;

Function

DNA binding; protein binding; protein heterodimerization activity; protein homodimerization activity; protein homodimerization activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; sequence-specific distal enhancer binding RNA polymerase II transcription factor activity; transcription regulatory region DNA binding;

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