

Recombinant Human NR1H3 293 Cell Lysate

Cat. No. NR1H3-3720HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for nuclear receptor subfamily 1, group H, member 3 (NR1H3), 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.

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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

NR1H3 nuclear receptor subfamily 1, group H, member 3 [Homo sapiens]

Official Symbol

NR1H3

Synonyms

NR1H3; nuclear receptor subfamily 1, group H, member 3; oxysterols receptor LXR-alpha; liver X receptor alpha; LXR a; RLD 1; liver X nuclear receptor alpha variant 1; LXRA; LXR-a; RLD-1;

Gene ID

10062

mRNA Refseq

NM_001130101

Protein Refseq

NP_001123573

MIM

602423

UniProt ID

Q13133

**Chromosome
Location**

11p11.2

Pathway

Adipogenesis, organism-specific biosystem; Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; Hepatitis C, organism-specific biosystem; Hepatitis C, conserved biosystem; Nuclear Receptor transcription pathway, organism-specific biosystem; Nuclear Receptors, organism-

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specific biosystem;

Function

DNA binding; cholesterol binding; ligand-activated sequence-specific DNA binding
RNA polymerase II transcription factor activity; metal ion binding; protein binding;
protein heterodimerization activity; receptor activity; retinoid X receptor binding;
sequence-specific DNA binding; sequence-specific DNA binding transcription factor
activity; steroid hormone receptor activity; sterol response element binding;
transcription coactivator activity; transcription regulatory region DNA binding;
contributes_to transcription regulatory region DNA binding; transcription regulatory
region DNA binding; zinc ion binding;

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