

Recombinant Human NR1H3 293 Cell Lysate

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

SPECIFICATION

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.
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

 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

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-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; 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;

 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