

Recombinant Human NR4A2 293 Cell Lysate

Cat. No. NR4A2-3707HCL **Lot. No.** (See product label)

SPECIFICATION

| | |
|----------------------------|---|
| Species | Human |
| Source | HEK293 |
| Description | Antigen standard for nuclear receptor subfamily 4, group A, member 2 (NR4A2), transcript variant 4 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 [NR4A2 nuclear receptor subfamily 4, group A, member 2 \[Homo sapiens \]](#)

Official Symbol NR4A2

Synonyms

NR4A2; nuclear receptor subfamily 4, group A, member 2; NURR1; nuclear receptor subfamily 4 group A member 2; HZF 3; NOT; RNR1; TINUR; nuclear receptor related 1; T-cell nuclear receptor NOT; orphan nuclear receptor NR4A2; orphan nuclear receptor NURR1; intermediate-early receptor protein; immediate-early response protein NOT; nur related protein-1, human homolog of; transcriptionally-inducible nuclear receptor; NGFI-B/nur77 beta-type transcription factor homolog; transcriptionally inducible nuclear receptor related 1; HZF-3;

Gene ID [4929](#)

mRNA Refseq [NM_022120](#)

Protein Refseq [NP_071403](#)

MIM [601828](#)

UniProt ID [P43354](#)

Chromosome Location 2q22-q23

Pathway

Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; Nuclear Receptor transcription pathway, organism-

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specific biosystem; Nuclear Receptors, organism-specific biosystem;

Function

ligand-activated sequence-specific DNA binding RNA polymerase II transcription factor activity; metal ion binding; protein binding; protein heterodimerization activity; receptor activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; steroid hormone receptor activity; zinc ion binding;

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