

## Recombinant Human NR4A1 cell lysate

Cat. No. NR4A1-1219HCL Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Description</b>	This gene encodes a member of the steroid-thyroid hormone-retinoid receptor superfamily. Expression is induced by phytohemagglutinin in human lymphocytes and by serum stimulation of arrested fibroblasts. The encoded protein acts as a nuclear transcription factor. Translocation of the protein from the nucleus to mitochondria induces apoptosis. Multiple alternatively spliced variants, encoding the same protein, have been identified.
<b>Size</b>	100 ul
<b>Storage Buffer</b>	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
<b>Applications</b>	Western Blot;

### GENE INFORMATION

<b>Gene Name</b>	NR4A1 nuclear receptor subfamily 4, group A, member 1 [ Homo sapiens ]
<b>Official Symbol</b>	NR4A1
<b>Synonyms</b>	NR4A1; nuclear receptor subfamily 4, group A, member 1; GFRP1, HMR; nuclear receptor subfamily 4 group A member 1; N10; NAK 1; NGFIB; NUR77; TR3; ST-59; hormone receptor; TR3 orphan receptor; steroid receptor TR3; testicular receptor 3;

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early response protein NAK1; orphan nuclear receptor HMR; orphan nuclear receptor TR3; nuclear hormone receptor NUR/77; growth factor-inducible nuclear protein N10; nerve growth factor IB nuclear receptor variant 1; HMR; NP10; GFRP1; NAK-1; MGC9485;

**Gene ID** 3164

**mRNA Refseq** [NM\\_001202233](#)

**Protein Refseq** [NP\\_001189162](#)

**MIM** 139139

**UniProt ID** [P22736](#)

**Chromosome Location** 12q13

**Pathway** AKT phosphorylates targets in the nucleus, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Disease, organism-specific biosystem; Downstream Signaling Events Of B Cell Receptor (BCR), organism-specific biosystem; Downstream signal transduction, organism-specific biosystem; Downstream signaling of activated FGFR, organism-specific biosystem; GAB1 signalosome, organism-specific biosystem;

**Function** DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; ligand-activated sequence-specific DNA binding RNA polymerase II transcription factor activity; metal ion binding; protein binding; protein heterodimerization activity; protein homodimerization activity; receptor activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; steroid hormone receptor

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activity; zinc ion binding;

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