

## Recombinant Human RORA 293 Cell Lysate

**Cat. No.** RORA-2248HCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for RAR-related orphan receptor A (RORA), 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.
<b>Components</b>	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).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	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.
<b>Applications</b>	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

<b>Gene Name</b>	RORA RAR-related orphan receptor A [ Homo sapiens ]
<b>Official Symbol</b>	RORA
<b>Synonyms</b>	RORA; RAR-related orphan receptor A; nuclear receptor ROR-alpha; NR1F1; ROR1; ROR2; ROR3; RZRA; ROR-alpha; nuclear receptor RZR-alpha; transcription factor RZR-alpha; retinoid-related orphan receptor alpha; nuclear receptor subfamily 1 group F member 1; thyroid hormone nuclear receptor alpha variant 4; retinoic acid receptor-related orphan receptor alpha; RZR-ALPHA; MGC119326; MGC119329; DKFZp686M2414;
<b>Gene ID</b>	6095
<b>mRNA Refseq</b>	NM_134262
<b>Protein Refseq</b>	NP_599024
<b>MIM</b>	600825
<b>UniProt ID</b>	P35398
<b>Chromosome Location</b>	15q21-q22
<b>Pathway</b>	Adipogenesis, organism-specific biosystem; BMAL1:CLOCK/NPAS2 Activates Circadian Expression, organism-specific biosystem; Circadian Clock, organism-specific biosystem; Circadian Repression of Expression by REV-ERBA, organism-

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specific biosystem; Circadian rhythm - mammal, organism-specific biosystem;  
Circadian rhythm - mammal, conserved biosystem; Fatty acid, triacylglycerol, and  
ketone body metabolism, organism-specific biosystem;

**Function**

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

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