

Recombinant Human RARA 293 Cell Lysate

Cat. No. RARA-2515HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for retinoic acid receptor, alpha (RARA), transcript variant 2 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

RARA retinoic acid receptor, alpha [Homo sapiens]

Official Symbol

RARA

Synonyms

RARA; retinoic acid receptor, alpha; retinoic acid receptor alpha; NR1B1; RAR; RAR-alpha; retinoic acid receptor, alpha polypeptide; nuclear receptor subfamily 1 group B member 1; retinoic acid nuclear receptor alpha variant 1; retinoic acid nuclear receptor alpha variant 2; nucleophosmin-retinoic acid receptor alpha fusion protein NPM-RAR long form;

Gene ID

5914

mRNA Refseq

NM_001024809

Protein Refseq

NP_001019980

MIM

180240

UniProt ID

P10276

**Chromosome
Location**

17q21.1

Pathway

Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Adipogenesis, organism-specific biosystem; Gene Expression,

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organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; IL-3 Signaling Pathway, organism-specific biosystem; Nuclear Receptor transcription pathway, organism-specific biosystem;

Function

chromatin DNA binding; enzyme binding; metal ion binding; protein binding; protein domain specific binding; protein heterodimerization activity; protein kinase A binding; protein kinase B binding; receptor activity; receptor binding; retinoic acid binding; retinoic acid receptor activity; retinoic acid-responsive element binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; steroid hormone receptor activity; transcription coactivator activity; transcription coactivator activity; transcription corepressor activity; transcription factor binding; zinc ion binding;