

## Recombinant Human RARA, His-tagged

**Cat. No.** RARA-31320TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment, corresponding to amino acids 150-417 of His tagged, Human Retinoic Acid Receptor alpha. Predicted MW 34 kDA,
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	150-417 a.a.
<b>Description</b>	This gene represents a nuclear retinoic acid receptor. The encoded protein, retinoic acid receptor alpha, regulates transcription in a ligand-dependent manner. This gene has been implicated in regulation of development, differentiation, apoptosis, granulopoiesis, and transcription of clock genes. Translocations between this locus and several other loci have been associated with acute promyelocytic leukemia. Alternatively spliced transcript variants have been found for this locus.
<b>Conjugation</b>	HIS
<b>Form</b>	Liquid
<b>Purity</b>	>90% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 20% Glycerol, 20mM Tris HCl, 100mM Potassium chloride, 1mM DTT, 0.2mM EDTA, pH 8.0

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**Storage** Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

**Sequence Similarities** Belongs to the nuclear hormone receptor family. NR1 subfamily. Contains 1 nuclear receptor DNA-binding domain.

## 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;

**Gene ID** [5914](#)

**mRNA Refseq** [NM\\_000964](#)

**Protein Refseq** [NP\\_000955](#)

**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, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem;

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**Function**

chromatin DNA binding; enzyme binding; metal ion binding; protein binding; protein domain specific binding;

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