

Recombinant Human RARA, His-tagged

Cat. No. RARA-31319TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 68-173 of human Retinoic Acid Receptor alpha, fused to His tag at N terminus; 127 amino acids, 14 kDa.
Species	Human
Source	E.coli
ProteinLength	68-173 a.a.
Description	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.
Conjugation	HIS
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 0.1M Sodium chloride, 5mM Beta mercaptoethanol, 20mM Tris, pH 7.5

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MSEEIVSPSP SPPPLPRIYK PCFVCQDKSS GYHYGVSACE GCKGFFRRSI QKNMVYTCHR DKNCIINKVT RNRCQYCRLQ KCFEVGMSKE SVRNDNRNKKK KEVPKPE
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,

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

Function

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

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