

Active Recombinant Human RARA Protein, GST tagged

Cat. No. RARA-1131H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human Retanoic Acid Receptor alpha ligand binding domain (amino acids 176-462; NP_000955), GST-tagged, expressed in insect cells.
Species	Human
Source	Insect Cells
ProteinLength	176-462 aa
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, granulopoeisis, 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.
Form	50 mM potassium phosphate (pH 8.0), 150 mM KCl, 0.5 mM EDTA, 0.02% Triton X-100, 10 mM DTT and 20% Glycerol.
Molecular Mass	59.5 kDa. Calculated from the protein sequence(s).
Purity	95% as determined by a SDS-PAGE gel stained with SimplyBlue SafeStain.
Storage	If properly stored in its original container at -80 centigrade, this product is guaranteed for 6 months from date of purchase. Mix gently, do not vortex. Do NOT make single

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use aliquots.

Concentration

0.50 mg/mL total protein as measured using the Bradford protein assay with BSA as a standard. Calculated 8,400 nM.

Shipping

Dry ice

GENE INFORMATION

Gene Name

RARA retinoic acid receptor alpha [Homo sapiens (human)]

Official Symbol

RARA

Synonyms

RARA; retinoic acid receptor alpha; RAR; NR1B1; RARalpha; retinoic acid receptor alpha; PML-DDX5-RARA fusion; PML-DDX5-RARA fusion protein; RAR-alpha; TTMV/RARA fusion; TTMV/RARA fusion protein; nuclear receptor subfamily 1 group B member 1; nucleophosmin-retinoic acid receptor alpha fusion protein NPM-RAR long form; retinoic acid receptor, alpha polypeptide

Gene ID

5914

mRNA Refseq

NM_000964

Protein Refseq

NP_000955

MIM

180240

UniProt ID

P10276

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