

Recombinant Human RARA Protein, N-GST tagged

Cat. No. RARA-15H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant RAR alpha Ligand Binding Domain was expressed in a bacterial system and purified by an affinity column in combination with FPLC chromatography. 1 unit equals 1 nanogram (ng) 0.4 mg/mL in 1 × dilution buffer A 1 × RAR dilution buffer (A)
Species	Human
Source	E.coli
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.
Molecular Mass	60.6 kDa
Purity	The purified recombinant protein is greater than 95% homogeneous and contains no detectable protease, DNase and RNase activity.
Applications	Research Use Only, not for Drug or Diagnostic purposes. RARα-LBD can be applied in in vitro transcription assays, DNA-protein and protein-protein interaction assays.

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GeneID	5914
References	1. Hart S.M. (2002) Biol. Res. 35, 295-3003 2. Kastner et al. (1995) Cell, 83, 859-869 3. Leid et al., (1992) Trends Biochem. Sci. 17, 427-433
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; nuclear receptor subfamily 1 group B member 1; nucleophosmin-retinoic acid receptor alpha fusion protein NPM-RAR long form; retinoic acid receptor, alpha polypeptide
mRNA Refseq	NM_000964
Protein Refseq	NP_000955
MIM	180240
UniProt ID	P10276