

Recombinant Human Retinoic acid receptor alpha, GST-tagged

Cat. No. RARA-111H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GST-tagged Retinoic acid receptor alpha ligand-binding domain (RARA-LBD) consists of a 218 a.a. GST tag, a 14 a.a. flexible linker and a 288 a.a. RARA-LBD, Acc# AAH71733.1, amino acids 170-457. GST tagged RARA-LBD was expressed in baculovirus-infected insect cells and purified using affinity chromatography.
Species	Human
Source	Sf9 Cells
Description	Retinoic acid receptor alpha (RAR-alpha or RARA) is also known as NR1B1 (nuclear receptor subfamily 1, group B, member 1).
Form	50 mM Tris-HCl pH 8.0, 150 mM NaCl, 0.5 mM EDTA, 3 mM Dithiothreitol, 7 mM reduced glutathione, 20% glycerol.
Purity	>90%
Applications	Ligand binding and coactivator peptide recruitment assays.
Storage	Immediately store at -80°C. Avoid freeze-thaw cycles. While working, please keep sample on ice.

GENE INFORMATION

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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_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; 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;

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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;

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