

Recombinant Human RXRA, His-tagged

Cat. No. RXRA-31121TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 200-462 of Human Retinoid X Receptor alpha with His tag, 30 kDa.
Species	Human
Source	E.coli
ProteinLength	200-462 a.a.
Description	Retinoid X receptors (RXRs) and retinoic acid receptors (RARs), are nuclear receptors that mediate the biological effects of retinoids by their involvement in retinoic acid-mediated gene activation. These receptors exert their action by binding, as homodimers or heterodimers, to specific sequences in the promoters of target genes and regulating their transcription. The protein encoded by this gene is a member of the steroid and thyroid hormone receptor superfamily of transcriptional regulators.
Conjugation	HIS
Tissue specificity	Highly expressed in liver, also found in lung, kidney and heart.
Biological activity	1 unit equals 1 nanogram purified protein.
Form	Liquid

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Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20% Glycerol, 20mM Tris HCl, 100mM Potassium chloride, 1mM DTT, 0.2mM EDTA, pH 8.0
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. NR2 subfamily. Contains 1 nuclear receptor DNA-binding domain.

GENE INFORMATION

Gene Name	RXRA retinoid X receptor, alpha [Homo sapiens]
Official Symbol	RXRA
Synonyms	RXRA; retinoid X receptor, alpha; retinoic acid receptor RXR-alpha; NR2B1;
Gene ID	6256
mRNA Refseq	NM_002957
Protein Refseq	NP_002948
MIM	180245
Uniprot ID	P19793
Chromosome Location	9q34

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Pathway

Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Adipogenesis, organism-specific biosystem; Bile secretion, organism-specific biosystem; Bile secretion, conserved biosystem;

Function

DNA binding; double-stranded DNA binding; enzyme binding; ligand-regulated transcription factor activity; metal ion binding;

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