

Recombinant Human Retinoid X Receptor, Alpha, His-tagged

Cat. No. RXRA-5479H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant HumanHis-tagged Retinoid X Receptor-alpha containing amino acids 200-462 (LigandBinding Domain) under the control of a T7 promoter.
Species	Human
Source	E.coli
ProteinLength	200-462 a.a.
Description	RetinoidX receptor alpha (RXR-alpha), also known as NR2B1 (nuclear receptor subfamily2, group B, member 1) is a nuclear receptor that in humans is encoded by theRXRA gene.
Form	Liquid in 20 mMTris-HCl, pH 8.0 + 100 mM KCl + 0.2 mM EDTA + 1 mM DTT + 20% glycerol.
Purity	> 95% asdetermined by SDS-PAGE analysis.
Applications	In vitrotranscription assays, DNA, and protein-protein interactions assays.
Storage	Stable for 1 year inworking aliquots at -80°C. Avoid repeated freeze-thaw cycles.
OfficialSymbol	RXRA
Pathways	Adipocytokinesignaling pathway; Adipogenesis; Bile secretion; Developmental

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Biology;Energy Metabolism; Gene Expression; Generic Transcription P; Hepatitis C;IL-3 Signaling Pathway; Metabolism of lipids and lipoproteins; Non-small celllung cancer; Nuclear Receptor transcription pathway; Nuclear Receptors; PPARsignaling pathway; Pathways in cancer

GENE INFORMATION

Gene Name RXRA retinoid X receptor, alpha[Homo sapiens]

Synonyms RXRA; retinoidX receptor, alpha; NR2B1; retinoic acid receptor RXR-alpha;OTTHUMP00000022510; retinoid X nuclear receptor alpha; nuclear receptorsubfamily 2 group B member 1; Retinoic acid receptor RXR-alpha; Nuclear receptor subfamily 2 group B member 1; Retinoid Xreceptor alpha

Gene ID 6256

mRNA Refseq NM_002957

Protein Refseq NP_002948

MIM 180245

UniProt ID P19793

Chromosome Location 9q34

Function DNA binding;double-stranded DNA binding; enzyme binding; ligand-regulated transcriptionfactor activity; metal ion binding; protein binding; proteinheterodimerization activity; receptor activity; retinoic acid receptoractivity; retinoic acid-responsive element binding; retinoid-X receptoractivity; sequence-

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specific DNA binding; sequence-specific DNA bindingtranscription factor activity;
steroid binding; steroid hormone receptoractivity; transcription coactivator activity

**PDB rendering
basedon 1by4.**

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