

# Recombinant Human Retinoid X Receptor, Alpha, His-tagged

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

## SPECIFICATION

|                         |                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant HumanHis-tagged Retinoid X Receptor-alpha containing amino acids 200-462 (LigandBinding Domain) under the control of a T7 promoter.                             |
| <b>Species</b>          | Human                                                                                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                                                                                      |
| <b>ProteinLength</b>    | 200-462 a.a.                                                                                                                                                                |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Liquid in 20 mMTris-HCl, pH 8.0 + 100 mM KCl + 0.2 mM EDTA + 1 mM DTT + 20% glycerol.                                                                                       |
| <b>Purity</b>           | > 95% asdetermined by SDS-PAGE analysis.                                                                                                                                    |
| <b>Applications</b>     | In vitrotranscription assays, DNA, and protein-protein interactions assays.                                                                                                 |
| <b>Storage</b>          | Stable for 1 year inworking aliquots at -80°C. Avoid repeated freeze-thaw cycles.                                                                                           |
| <b>OfficialSymbol</b>   | RXRA                                                                                                                                                                        |
| <b>Pathways</b>         | 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 cell lung cancer; Nuclear Receptor transcription pathway; Nuclear Receptors; PPARsignaling pathway; Pathways in cancer

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                     |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | <a href="#">RXRA retinoid X receptor, alpha[ Homo sapiens ]</a>                                                                                                                                                                                                                                                     |
| <b>Synonyms</b>            | 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                             |
| <b>Gene ID</b>             | <a href="#">6256</a>                                                                                                                                                                                                                                                                                                |
| <b>mRNA Refseq</b>         | <a href="#">NM_002957</a>                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>      | <a href="#">NP_002948</a>                                                                                                                                                                                                                                                                                           |
| <b>MIM</b>                 | <a href="#">180245</a>                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>          | P19793                                                                                                                                                                                                                                                                                                              |
| <b>Chromosome Location</b> | 9q34                                                                                                                                                                                                                                                                                                                |
| <b>Function</b>            | 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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