

RXR-alpha (RXRA) Recombinant Protein | RXR-alpha recombinant protein

Recombinant RXR-alpha (RXRA) protein

CATALOG # AAA60126	HOST Baculovirus
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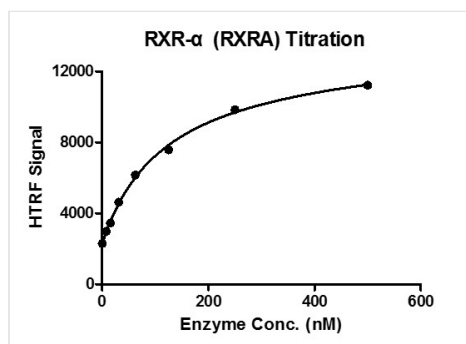
PRODUCT SYNONYMS

RXR-alpha (RXRA); Recombinant RXR-alpha (RXRA) protein; Retinoid X Receptor Alpha; NR2B1; RXR-alpha recombinant protein

PRODUCT SPECIFICATIONS

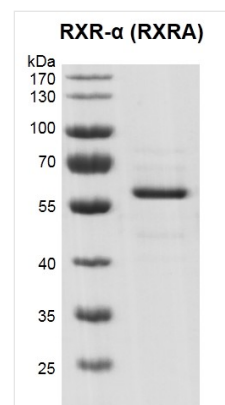
Host	Baculovirus
Form/Format	Recombinant RXR-a (RXRA) protein is supplied in 25mM HEPES-NaOH pH7.5, 300mM NaCl, 10% glycerol, 0.04% Triton X-100 and 0.5mM TCEP.
Protein Species	Human
Tag	DYKDDDDK-Tag
Notes	This protein is suitable for use in protein-protein interaction, in vitro transcription assay, binding assay.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage. Shipping Temp: Dry Ice

IMAGES



Application Data

HTRF assay for RXR-a (RXRA) activity 1 ?M dsDNA oligos (DNA sequence: 5'-ATAGGTCACGGAGAGGTCAGC-3') were incubated with different concentrations of protein in 10 ?l binding system containing 50 mM HEPESNaOH pH 7.5, 0.1% BSA for 1 hour, then 10 ?l anti-DYKDDDDK antibody and SA-XL665 mixture (each 1:100 dilution in Binding Buffer) was added to each reaction system and incubated for 30 min. All the operations and reactions were performed at room temperature. HTRF assay was used for detection.



SDS-PAGE

Recombinant RXR-a (RXRA) protein gel 10% SDS-PAGE gel with Coomassie Blue staining
MW: 52.1 kDa Purity: >90%

ADDITIONAL INFORMATION

Related Product Information for RXR-alpha recombinant protein	Short Description: Recombinant human RXR-a (RXRA) protein was expressed in a baculovirus expression system as the full-length protein (accession number NP_002948.1) with an N-terminal DYKDDDDK tag. The molecular weight of the protein is 52.1 kDa. It is suitable for use in protein-protein interaction studies, in vitro transcription assays and binding assays. Background: RXR-a or so called RXRA (Retinoid X Receptor Alpha), also known as NR2B1, is a receptor for retinoic acid. Retinoic acid receptors bind as heterodimers to their target response elements in response to their ligands, all-trans or 9-cis retinoic acid, and regulate gene expression in various biological processes. The RAR/RXR heterodimers bind to the retinoic acid response elements (RARE) composed of tandem 5-AGGTCA-3 sites known as DR1-DR5. The high affinity ligand for RXRs is 9-cis retinoic acid. RXRA serves as a common heterodimeric partner for a number of nuclear receptors. In the absence of ligand, the RXR-RAR heterodimers associate with a multiprotein complex containing transcription corepressors that induce histone acetylation, chromatin condensation and transcriptional suppression. On ligand binding, the corepressors dissociate from the receptors and associate with the coactivators leading to transcriptional activation. The RXRA/PPARA heterodimer is required for PPARA transcriptional activity on fatty acid oxidation genes such as ACOX1 and the P450 system genes.
Product Categories/Family for RXR-alpha recombinant protein	Recombinant Proteins; Nuclear Receptor; Transcription

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506755
NCBI GeneID	6256
NCBI Accession #	NP_002948.1
NCBI GenBank Nucleotide #	NM_002957.4
UniProt Accession #	P19793; Q2NL52; Q2V504
Molecular Weight	462
NCBI Official Full Name	retinoic acid receptor RXR-alpha
NCBI Official Synonym Full Names	retinoid X receptor, alpha
NCBI Official Symbol	RXRA
NCBI Official Synonym Symbols	NR2B1
NCBI Protein Information	retinoic acid receptor RXR-alpha; retinoid X nuclear receptor alpha; nuclear receptor subfamily 2 group B member 1
UniProt Protein Name	Retinoic acid receptor RXR-alpha
UniProt Gene Name	RXRA
UniProt Synonym Gene Names	NR2B1
UniProt Entry Name	RXRA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rxra-recombinant-protein-baculovirus/60126>