

Active Recombinant Full Length Human RXRB Protein, His tagged

Cat. No. RXRB-01HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant RXR- β is isolated from an E.coli strain that carries the coding sequence of the human RXR- β under the control of a T7 promoter (accession number NM 021976). The purified recombinant protein has an N-terminal His-Tag and is greater than 95% homogeneous and contains no detectable protease, DNase and RNase activity.
Species	Human
Source	E.coli
ProteinLength	1-533 aa
Description	This gene encodes a member of the retinoid X receptor (RXR) family of nuclear receptors which are involved in mediating the effects of retinoic acid (RA). The encoded protein forms homodimers with the retinoic acid, thyroid hormone, and vitamin D receptors, increasing both DNA binding and transcriptional function on their respective response elements. This gene lies within the major histocompatibility complex (MHC) class II region on chromosome 6. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Form	5 μ g of Recombinant RXR- β protein in Dilution Buffer AM1 (20 mM Tris-Cl (pH 8), 20% glycerol, 100 mM KCl, 1 mM DTT and 0.2 mM EDTA).

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Applications

Recombinant RXR- β is suitable for in vitro transcription, DNA-protein and protein-protein interaction assays. 20 ng is sufficient for DNA-protein assays, 20-100 ng is sufficient for reconstituted transcription assays and 100 ng is sufficient for protein-protein interaction studies. The molecular weight of the protein is ~66 kDa. NOTE: The presence of Poly [d(I-C)] in buffers may affect protein functionality and should be avoided.

Storage

Recombinant proteins in solution are temperature sensitive and must be stored at -80 centigrade to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage. This product is guaranteed for 6 months from date of receipt. This product is for research use only and is not for use in diagnostic procedures.

GENE INFORMATION
Gene Name

RXRB retinoid X receptor, beta [Homo sapiens (human)]

Official Symbol

RXRB

Synonyms

RXRB; retinoid X receptor, beta; retinoic acid receptor RXR-beta; H 2RIIBP; NR2B2; nuclear receptor subfamily 2 group B member 2; RCoR 1; retinoid X nuclear receptor beta; MHC class I promoter binding protein; DAUDI6; RCoR-1; H-2RIIBP; MGC1831;

Gene ID

6257

mRNA Refseq

NM_021976

Protein Refseq

NP_068811

MIM

180246

UniProt ID

P28702

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