

Active Recombinant Full Length Human RXRA protein, His-tagged

Cat. No. RXRA-20H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RXRA fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-462 a.a.
Form	The protein is in 20mM Tris-HCl pH7.9, 100mM NaCl, 0.2mM EDTA, 1mM DTT and 20% glycerol. Stored at -70 centigrade before use. Avoid repeated freeze thaw cycles.
Molecular Mass	53.3 kDa

AA Sequence

MDTKHFLPLD FSTQVNSSLT SPTGRGSMAS PSLHPSLGPG IGSPGQLHSP
 ISTLSSPINGMGPPFSVISS PMGPHSMSVP TTPTLGFSTG SPQLSSPMNP
 VSSSEDIKPP LGLNGVLKVPAPSGNMA SF TKHICAICGD RSSGKHYGVY
 SCEGCKGFFK RTVRKDLTYT CRDNKDCLIDKRQRNRCQYC RYQKCLAMGM
 KREAVQEERQ RGKDRNENEV ESTSSANEDM PVERILEAELAVEPKTETYV
 EANMGLNPSS PNDPVTNICQ AADKQLFTLV EWAKRIPHFS
 ELPLDDQVILLRAGWNELLI ASFSHRSAIV KDGILLATGL HVHRNSAHS
 A GVGAI FDRVL TELVSKMRDMQMDKTELGCL RAIVLFNPDS KGLSNPAEVE
 ALREKVYASL EAYCKHKYPE QPGRFAKLLLRLPALRSIGL KCLEHLFFFK
 LIGDTPIDTF LMEMLEAPHQ MT

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Purity	> 90%
Unit Definition	1 unit equals 1 nanogram of purified protein. 1 unit is sufficient for a gel mobility shift assay in a 20 µreaction; 100 units are sufficient for protein-protein interaction assays.
Applications	RXRα can be applied in reconstituted in vitro transcription assays and protein-protein interactions assays.

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; nuclear receptor subfamily 2 group B member 1; retinoid X nuclear receptor alpha; FLJ00280; FLJ00318; FLJ16020; FLJ16733; MGC102720;
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; BMAL1:CLOCK/NPAS2 Activates Circadian Expression, organism-specific biosystem; Bile secretion, organism-specific biosystem; Bile secretion, conserved biosystem; Circadian Clock, organism-specific biosystem;

Function

9-cis retinoic acid receptor activity; DNA binding; double-stranded DNA binding; enzyme binding; ligand-activated sequence-specific DNA binding RNA polymerase II transcription factor activity; metal ion binding; protein binding; protein heterodimerization activity; receptor activity; retinoic acid receptor activity; retinoic acid-responsive element binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; contributes_to sequence-specific DNA binding transcription factor activity; steroid binding; steroid hormone receptor activity; transcription coactivator activity; contributes_to transcription regulatory region DNA binding; vitamin D receptor binding; contributes_to vitamin D response element binding; zinc ion binding;

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