

## RXRA Human

**Description:** RXRA Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 119 amino acids (111-228) & having a molecular mass of 13.6 kDa.

**Catalog #:** PRPS-444

For research use only.

**Synonyms:** Retinoic acid receptor RXR-alpha, Retinoid X receptor alpha, Nuclear receptor subfamily 2 group B member 1, RXRA, NR2B1, FLJ00280, FLJ00318, FLJ16020, FLJ16733, MGC102720, RXR Alpha, RXR-a.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile filtered colorless solution.

**Amino Acid Sequence:** MLGLNGVLKV PAHPSGNMAS FTKHICAICG DRSSGKHYGV  
YSCEGCKGFF KRTVRKDLTY TCRDNKDCLI DKRQRNRCQY CRYQKCLAMG MKREAVQEER  
QRGKDRNENE VESTSSANE.

**Purity:** Greater than 95.0% as determined by SDS-PAGE.

**Formulation:**

The protein containing 20mM Tris-HCl pH7.5, 0.1M NaCl, 5mM b-Mercaptoethanol.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

The retinoid X receptor (RXR) is a pleiotropic nuclear receptor transcription factor that interacts with a variety of nuclear receptor dimeric partner. RXR binds cognate response elements as a homodimer in the presence of its ligand, 9-cis retinoic acid, or as a heterodimer with other members of the nuclear hormone receptor superfamily including retinoic acid receptors (RAR), thyroid hormone receptors (TR), vitamin D receptors and peroxisome proliferators-activated receptors (PPAR). The RXR family includes three different isoforms; RXR a, b, g. Human RXR a gene is localized on 9q34.9 and encodes two major isoforms (RXR a1, RXR a2). The DNA binding domain of RXR (111-228aa) was purified by using conventional column chromatography techniques.

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