

## 32-4727: Recombinant Human Retinoid X Receptor Alpha

**Alternative Name :** 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.

### Description

Source : Escherichia Coli. 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. 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  $\alpha$ ,  $\beta$ ,  $\gamma$ . Human RXR  $\alpha$  gene is localized on 9q34.9 and encodes two major isoforms (RXR  $\alpha$ 1, RXR  $\alpha$ 2). The DNA binding domain of RXR (111-228aa) was purified by using conventional column chromatography techniques.

### Product Info

**Amount :** 50  $\mu$ g  
**Purification :** Greater than 95.0% as determined by SDS-PAGE.  
**Content :** The protein (1mg/ml) containing 20mM Tris-HCl pH7.5, 0.1M NaCl and 5mM Beta-Mercaptoethanol.  
**Storage condition :** 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.  
**Amino Acid :** MLGLNGVLKV PAHPSGNMAS FTKHICAICG DRSSGKHYGV YSCEGCKGFF KRTVRKDLTY TCRDNKDCLI DKRQRNRCQY CRYQKCLAMG MKREAVQEER QRGKDRNENE VESTSSANE.

