

RXR-?(Retinoid x receptor;111-228aa, Human) Recombinant, expressed in E.coli

Cat.NO.: TP03815

3th Edition

Synonyms:Retinoid X receptor, alpha, RXRA, NR2B1

Description: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 difference isoforms ; RXR ?, ?, ? . Human RXR ? gene is localized on 9q34.9 and encodes two major isoforms(RXR ?1, RXR ?2). The DNA binding domain of RXR(111-228aa) was over expressed in E.coli and purified by using conventional column chromatography techniques.

Form:Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 100 mM NaCl, 5 mM ?-Mercaptoethanol

Molecular Weight:13.6 kDa (119 aa), confirmed by MALDI-TOF

Sequences:

MLGLNGVLKVPAPHPSGNMAFSTKHICAICGDRSSGKHYGVYSCEGCKGFFKRTVVRKDLTYTCRDNKDCLIDKRQR
NRCQYCRYQKCLAMGMKREAVQEERQRGKDRNENEVESTSSANE

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.