Recombinant human RXR alpha/RXRA protein

Catalog Number: RXR3001

PRODUCT INFORMATION

Expression system
E.coli

Domain
111-228aa

UniProt No.
P19793

NCBI Accession No.
NP_002948.1

Alternative Names
RXRA, NR2B1, RXR-alpha, Retinoid X receptor, Retinoid X receptor alpha, Nuclear receptor subfamily 2 group B member 1, Retinoic acid receptor RXR-alpha, FLJ16020, FLJ16733, MGC102720, Retinoic acid receptor RXR alpha, RXR alpha1, RXRA1

PRODUCT SPECIFICATION

Molecular Weight
13.5 kDa (119aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 0.1M NaCl, 5mM beta-Mercaptoethanol

Purity
> 95% by SDS-PAGE

Tag
Non-Tagged

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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proliferators-activated receptors (PPAR). The RXR family includes three difference isoforms ; RXR alpha, beta, gamma. Human RXR alpha gene is localized on 9q34. 9 and encodes two major isoforms (RXR alpha1, RXR alpha2). The DNA binding domain of RXR (111-228aa) was over expressed in E. coli and purified by using conventional column chromatography techniques.

Amino acid Sequence

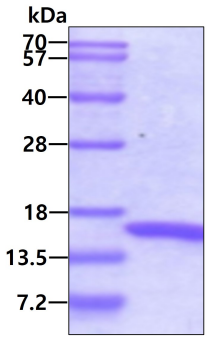
MLGLNGVLKV PAHPSGNMAS FTKHICAICG DRSSGKHYGV YSCEGCKGFF KRTVRKDLTY TCRDNKDCLI DKRQRNRCQY CRYQKCLAMG MKREAVQEER QRGKDRNENE VESTSSANE

General References

Si J., et al. (2002) Blood, 100(13)
4401-9.
Zeng M., et al. (2002) J. Biol. Chem. 277(47):45611-8.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.