



Product Datasheet

Product Name	Retinoid X Receptor Alpha Human Recombinant
Cata No	CB501057
Source	<i>Escherichia Coli.</i>
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.

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 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. RXR-a Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 119 amino acids & having a molecular mass of 13.6 kDa.

Physical Appearance

Sterile filtered colorless solution.

Purity

Greater than 95.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis 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.

Sequence

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