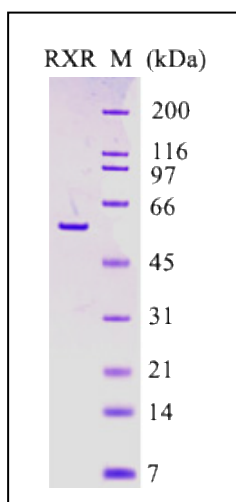


Recombinant RXR α Protein

Catalog Number	Size
AG1022-10	10ug
AG1022-25	25ug
AG1022-B	Bulk

Description



The recombinant RXR α protein was expressed in E coli and purified by the combination of glutathione Sepharose affinity column and other conventional chromatographic methods. The resulted protein contains 486 (24+462) amino acids with a GST tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 55kDa.

MGSSHHHHHHSSGLVPRGSHMGSGMDTKHFLPLDFSTQVNSSLTSPTGRGS
MAAPSLHPSLGPGLGSPGQLHSPISLSSPINGMGPPFSVISSPMGPHSMS
VPTTPTLGFSTGSPQLSSPMNPVSSSEDIKPPLGLNGVLKVPAPSGNMAS
FTKHICAICGDRSSGKHGYGVYSCGCKGFFKRTVRKDLTYTCRDNKDCLID
KRQRNRCQYCRYQKCLAMGMKREAVQEERQRGKDRNENEVESTSSANEDMP
VERILEAELAVEPKTETYVEANMGLNPSSPNDPVTNICQAADKQLFTLVEW
AKRIPHFSELPDDQVILLRAGWNELLIASFSHRISIAVKDGILLATGLHVH
RNSAHSAGVGAI FDRVLTELVS KM RDMQMDKTELGLRAIVLFNPDSKGLS
NPAEVEALREKVYASLEAYCKHKYPEQGRFAKLLLRPALRSIGLKCLEH
LFFFKLIGDTPIDTFLMEMLEAPHQMT-

Accession Number

NM_002957

Molecular Mass

Approximately 55kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

Retinoid X receptor alpha (RXR α) serves as a promiscuous heterodimerization partner for many nuclear receptors through the identity box, a 40-amino acid subregion within the ligand binding domain (LBD). Recombinant RXR α protein can be used for the studies of in vitro transcription, protein-ligand or protein-protein interactions and other related function assays.

Formulation

20mM Tris-Cl (pH7.9), 20% glycerol 100mM NaCl, 1mM DTT and 1mM EDTA.

Storage

The protein sample can be stored under sterile conditions at 2-8°C for one month or at -20°C to -70°C for three months without detectable loss of activity. (**Avoid repeated freeze-thaw cycle**)

FOR RESEARCH USE ONLY!!!