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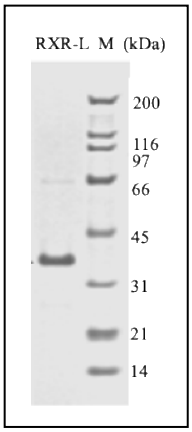
Recombinant RXR-LBD Protein

Catalog Number	Size
AG1043-10	10ug
AG1043-25	25ug
AG1043-B	Bulk

Description



The ligand-binding domain (LBD) of human retinoid X receptor (RXR) was expressed in the E coli expression system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 283 amino acids (19+264) with a 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 35kDa.

MGSSHHHHHHSSGLVPRGSHMGMKREAVQEERQRGKDRNENEVESTSSANE
DMPVERILEAELAVEPKTETYVEANMGLNPSSPNDPVTNICQAADKQLFTL
VEWAKRIPHFSELPLDDQVILLRAGWNELLIASFSHRSIAVKDGILLATGL
HVHRNSAHSAGVGAIFDRVLTELVSKMRDMQMDKTELGCLRAIVLFNPDSK
GLSNPAEVEALREKVYASLEAYCKHKYPEQPGRFAKLLLRLPALRSIGLKC
LEHLFFFKLIGDTPIDTFLMEMLEAPHQMT-

Accession Number NM_002957

Molecular Mass Approximately 35kDa.

Purity ≥90%, as determined by SDS-PAGE.

Biological Activity The LBD mediates ligand binding, receptor homo- and heterodimerization, repression of transcription in the absence of ligand, and ligand-dependent activation of transcription The recombinant RXR-LBD protein can be used for the studies of transcription assays, protein-protein interaction 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!!!