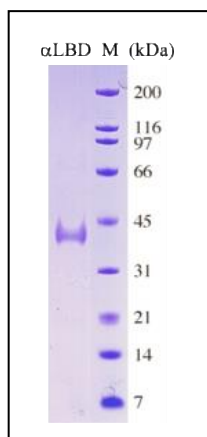


Recombinant RAR α -LBD Protein

Catalog Number	Size
AG1068-10	10ug
AG1068-25	25ug
AG1068-B	Bulk

Description

The ligand-binding domain of the human retinoic acid receptor alpha (RAR α -LBD) was expressed in the E coli system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 330 amino acids with a 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 40kDa.



MGSSHHHHHHSSGLVPRGSHMKESVRNDRNKKKKEVPKPECSESYTLTPE
VGELIEKVRKAHQETFPALCQLGKYTTNNSSEQRVSLDIDLWDKFSELST
KCIKTVFEFAKQLPGFTTLTIADQITLLKAACLDILILRICTRYTPEQDT
MTFSDGLTLNRTQMHNAGFGPLTDLVFAFANQLLPLEMDDAETGLLSAIC
LICGDRQDLEQPDVRDMLQEPLLEALKVYVRKRRPSRPHMFPKMLMKITD
LRSISAKGAERVITLKMEIPGSMPLIQEMLENSEGLDTLSGQPGGGGRD
GGGLAPPPGSCSPSLSPSSNRSSPATHSP-

Accession Number

NM_000964

Molecular Mass

Approximately 40kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

RAR α regulates transcription in ligand-dependent manner and has been implicated in regulation of development, differentiation and apoptosis. The recombinant RAR α -LBD protein can be used for the studies of transcription assays, protein-protein or protein-ligand 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!!!